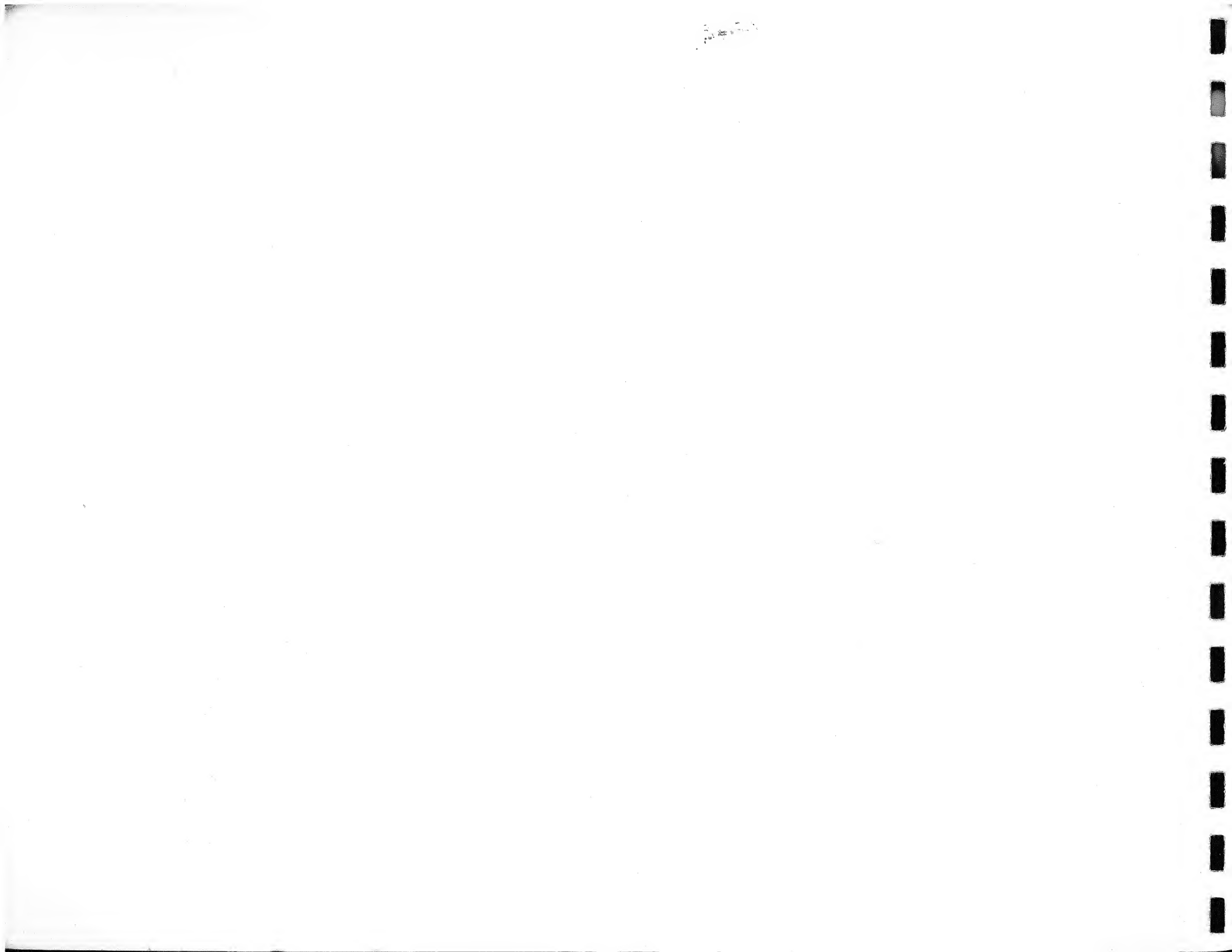


**Honeywell**

$\mu$ -COMP DDP-516 general purpose I/C digital computer



*WEISE*

Doc. No. 130071622D

M-968

Instruction Manual

DDP-516 GENERAL PURPOSE COMPUTER

Volume III

DRAWINGS

January 1969

**Honeywell**

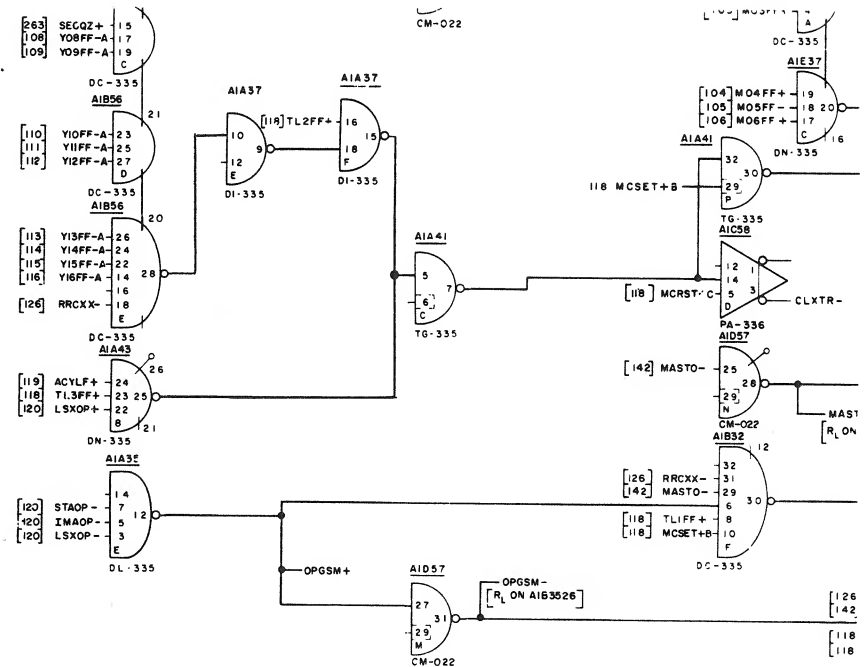
Original printing Sept. 1966  
Revised Feb. 1967, July and August 1968, and January 1969  
Reprinted September 1968, and January 1969

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#### NOTE

This manual includes drawings revised in accordance with ECO 3255, 3467, 3686, 3704, 3718, 3767, 3839, 3990, 4084, 4131, 4172, 4217, 4226, 4286, 4350, 4483, 4464, 4763, 4895, 5170, 5641, 5724, 5776, 5906, and 6154.







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## FOREWORD

This volume contains electrical and mechanical reference drawings for the DDP-516 General Purpose Computer. Mechanical drawings follow the logic drawings. The logic drawings are arranged according to the LBD numbers that appear in the upper right-hand corner of each drawing. System cabling information, cable routing diagrams, the main frame PAC location diagram, and the main frame and option cabinet coding diagrams follow the logic diagrams.

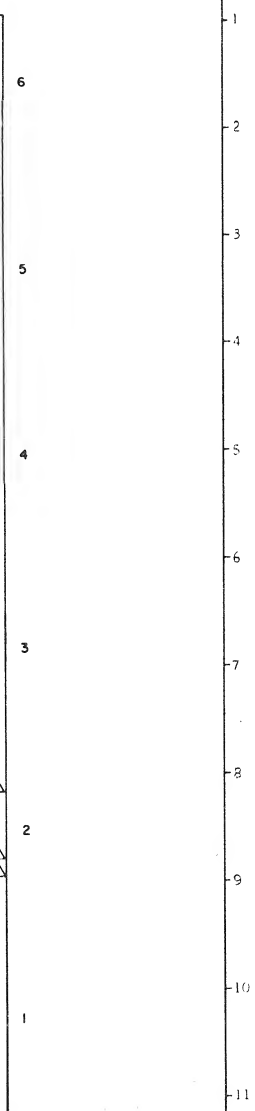
The origins of input signals are shown at their destinations on the logic drawings. For example, the input signal EASTL+ on LBD number 0.101, coordinates A4, is preceded by [127], the LBD number of the logic drawing on which the signal originates.

Volume I contains maintenance data and the theory of operation of the Computer Control Processing unit, Memory, and the standard Input/Output interface equipment. The drawings contained in this Volume (III) are referenced throughout Volume I.

Volume II contains the flow charts and instruction analyses of all DDP-516 instructions (except for those that apply to specific options, such as the High Speed Arithmetic Unit). Volume II also contains the function index, which lists the signal mnemonics in alphanumerical sequence. Their definitions, and source are also included.


The reader should take note of areas on the LBDs which are within dashed lines, such as the gate on LBD 0.101, A3. The dashed-line areas contain logic used for certain options. This logic is present only when the computer is equipped with the option noted within the dashed line area. An example is the High Speed Arithmetic Unit.






**A** THIS PAC REQUIRED WHEN SYSTEM HAS MORE THAN 8K OF MEMORY

E	C	A	L	S	I	E.
N	O	V	E	R	T	H
CC	AAS					
No.	P.O.#	EXT.CHARGES SEE ECO	DATED	M.	F.	
	0-4894	\$76.87	JAN.			



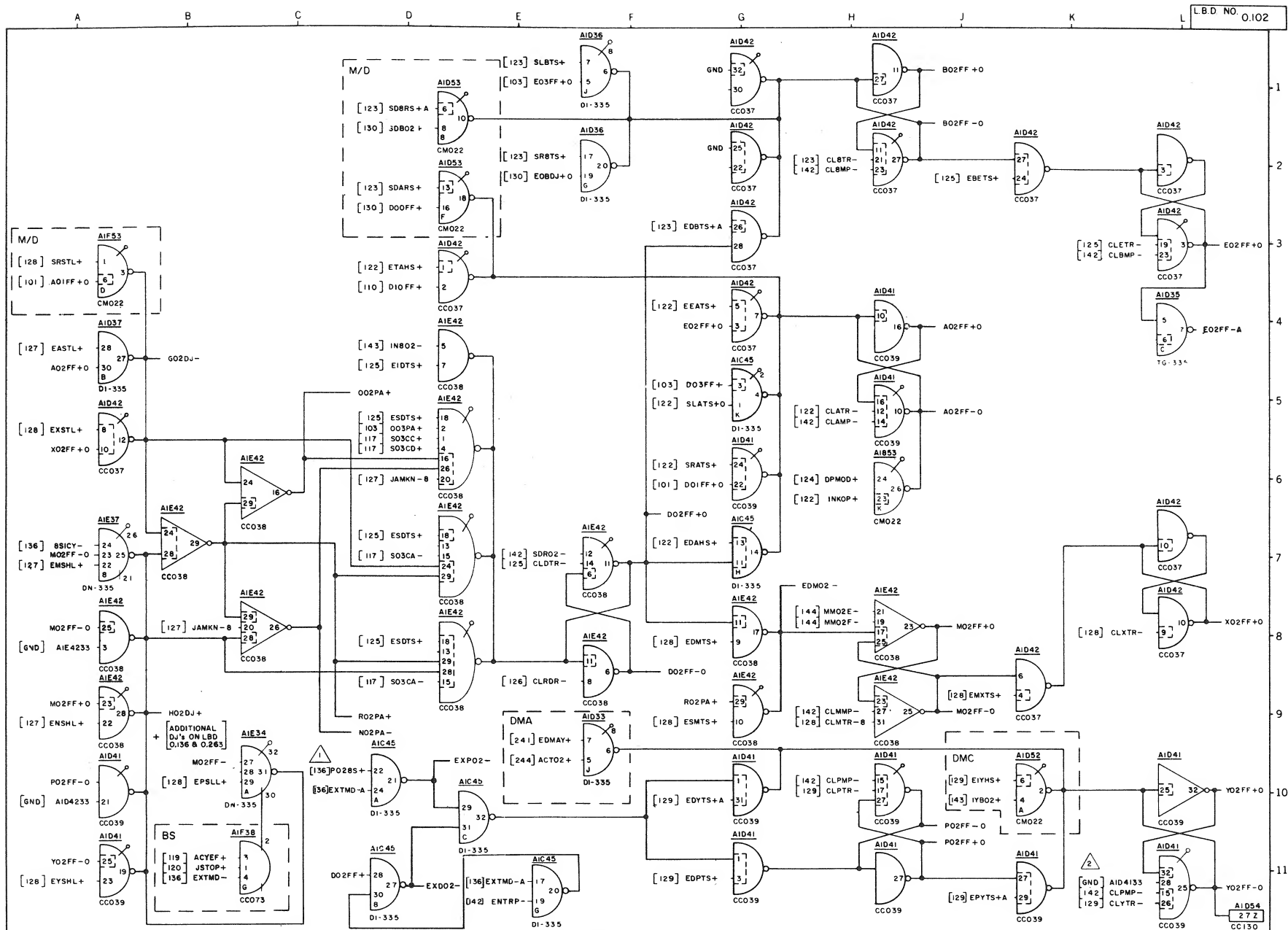
COMPUTER CONTROL COMPANY INC.  
FRAMINGHAM MASS. LOS ANGELES CALIF.

DR.	DATE
ENG.	
APP.	
PROJECT NO. 55223	

	
COMPUTER CONTROL COMPANY INC.	
FRAMINGHAM MASS. LOS ANGELES 64 CALIF.	
DR _____	DATE _____
ENG _____	✓
APP. _____	✓
PROJECT NO. 55223	

TITLE		
DDP-516		
PAC ALLOCATION, MAIN FRAME		
SIZE	DWG NO	REV
C	016252	G



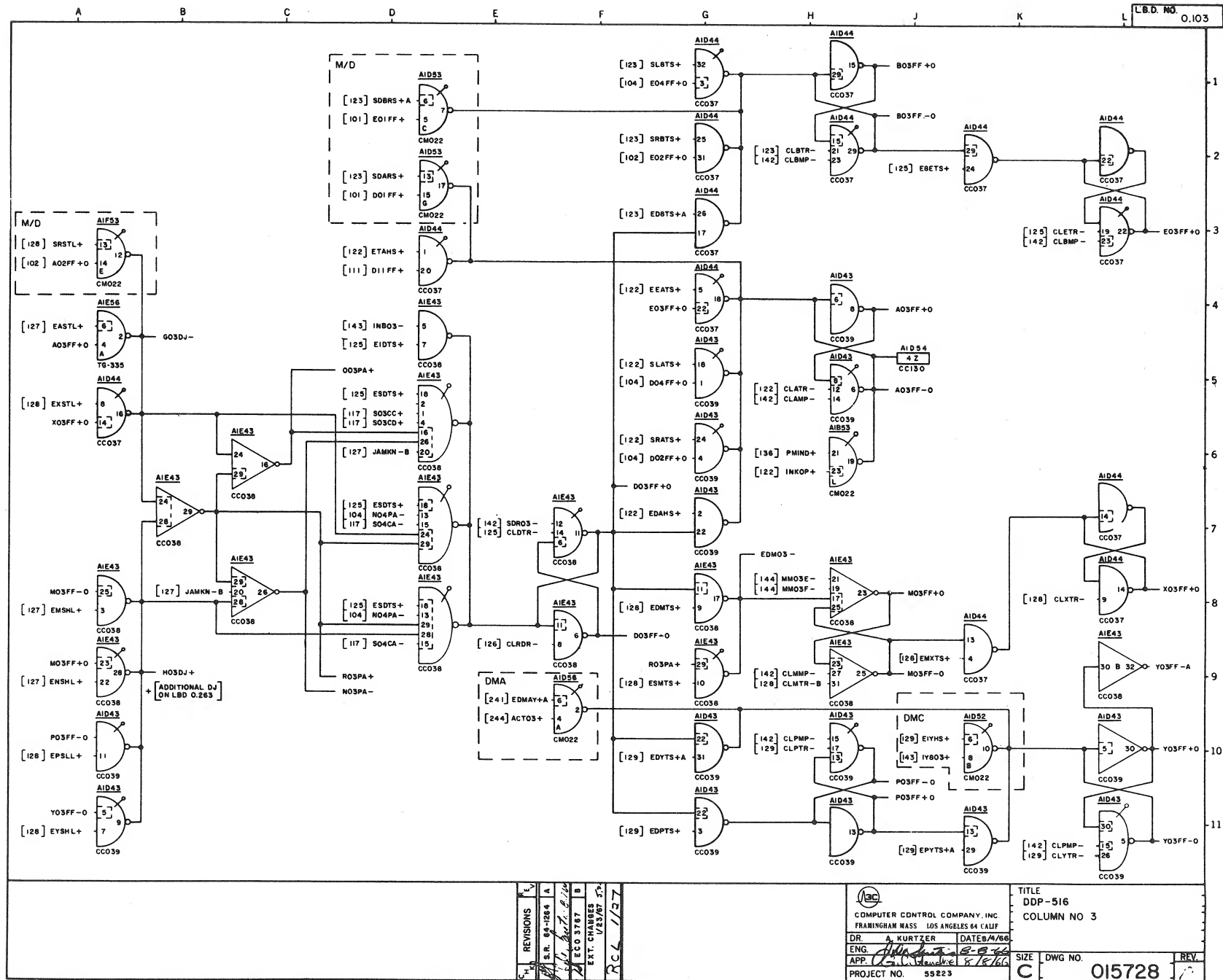


- 1 WHEN NO EXTENDED ADDRESSING GND PO285 +  
 2 WITH EXTENDED ADDRESSING, REMOVE GND FROM AID4128

REV	DATE	BY	CHK	APP	DESCRIPTION
1	8-1-66	A			REVISED
2	8-1-66	B			EXT. CHNG. SEE E.O.
3	8-1-66	C			EXT. CHNG. SEE E.O.
4	8-1-66	D			EXT. CHNG. SEE E.O.
5	8-1-66	E			EXT. CHNG. SEE E.O.
6	8-1-66	F			EXT. CHNG. SEE E.O.
7	8-1-66	G			EXT. CHNG. SEE E.O.
8	8-1-66	H			EXT. CHNG. SEE E.O.
9	8-1-66	I			EXT. CHNG. SEE E.O.
10	8-1-66	J			EXT. CHNG. SEE E.O.
11	8-1-66	K			EXT. CHNG. SEE E.O.
12	8-1-66	L			EXT. CHNG. SEE E.O.

COMPUTER CONTROL COMPANY, INC.  
 FRAMINGHAM MASS. LOS ANGELES 64 CALIF.  
 DR. KURTZ  
 ENG. 8-1-66  
 APP. 8-1-66  
 PROJECT NO. 55223

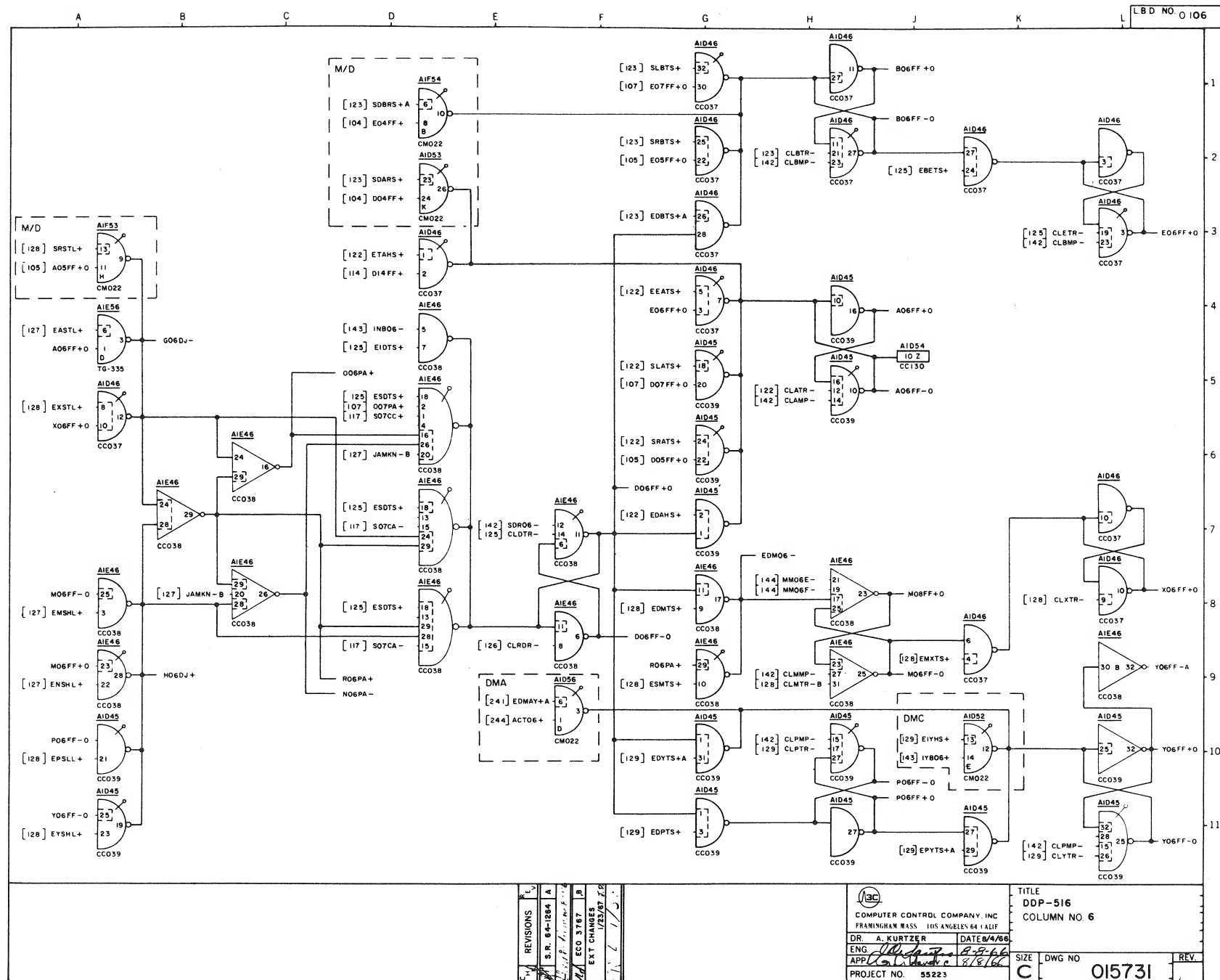
TITLE  
 DDP-516  
 COLUMN NO. 2  
 SIZE DWG. NO. 015727  
 REV. C



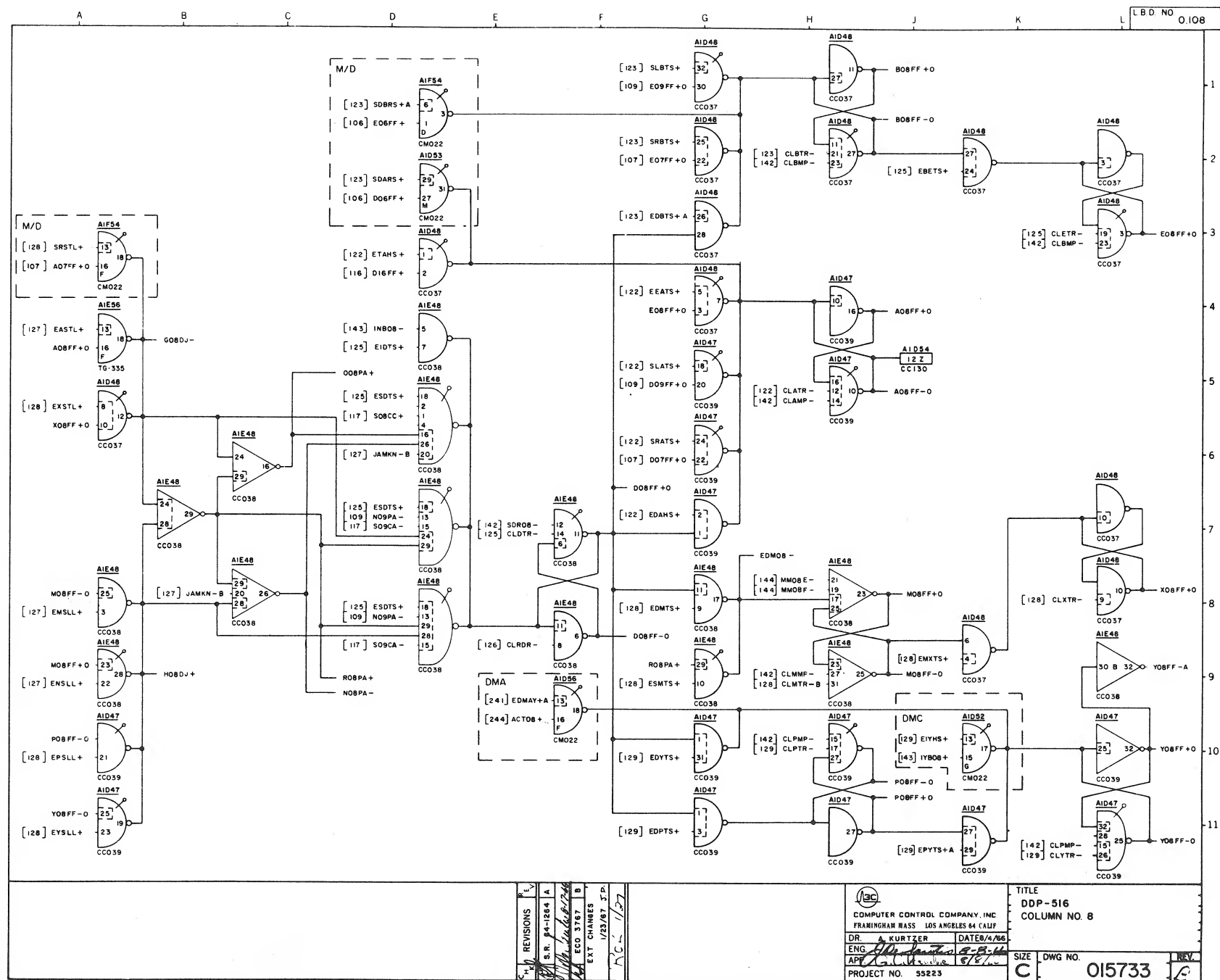






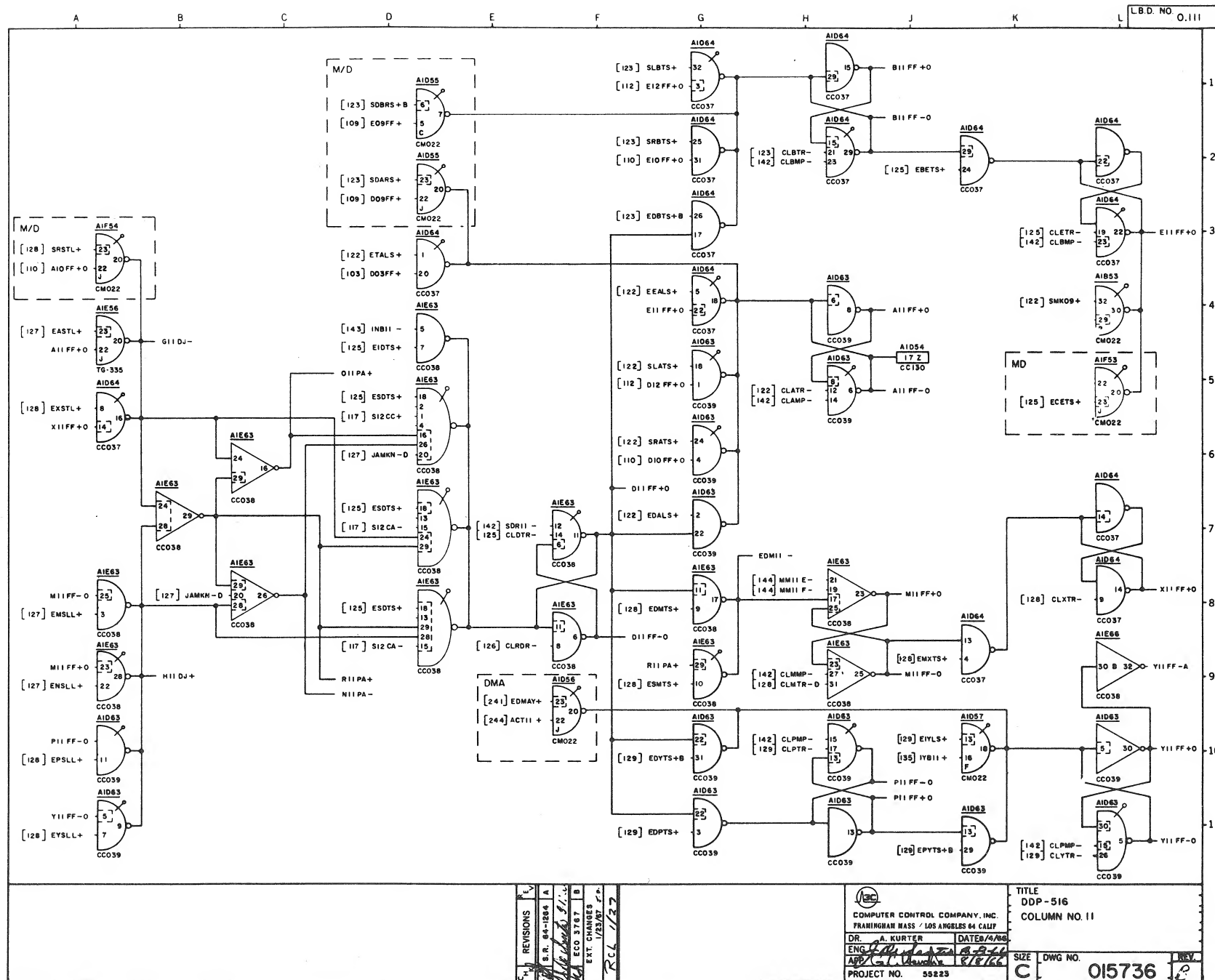










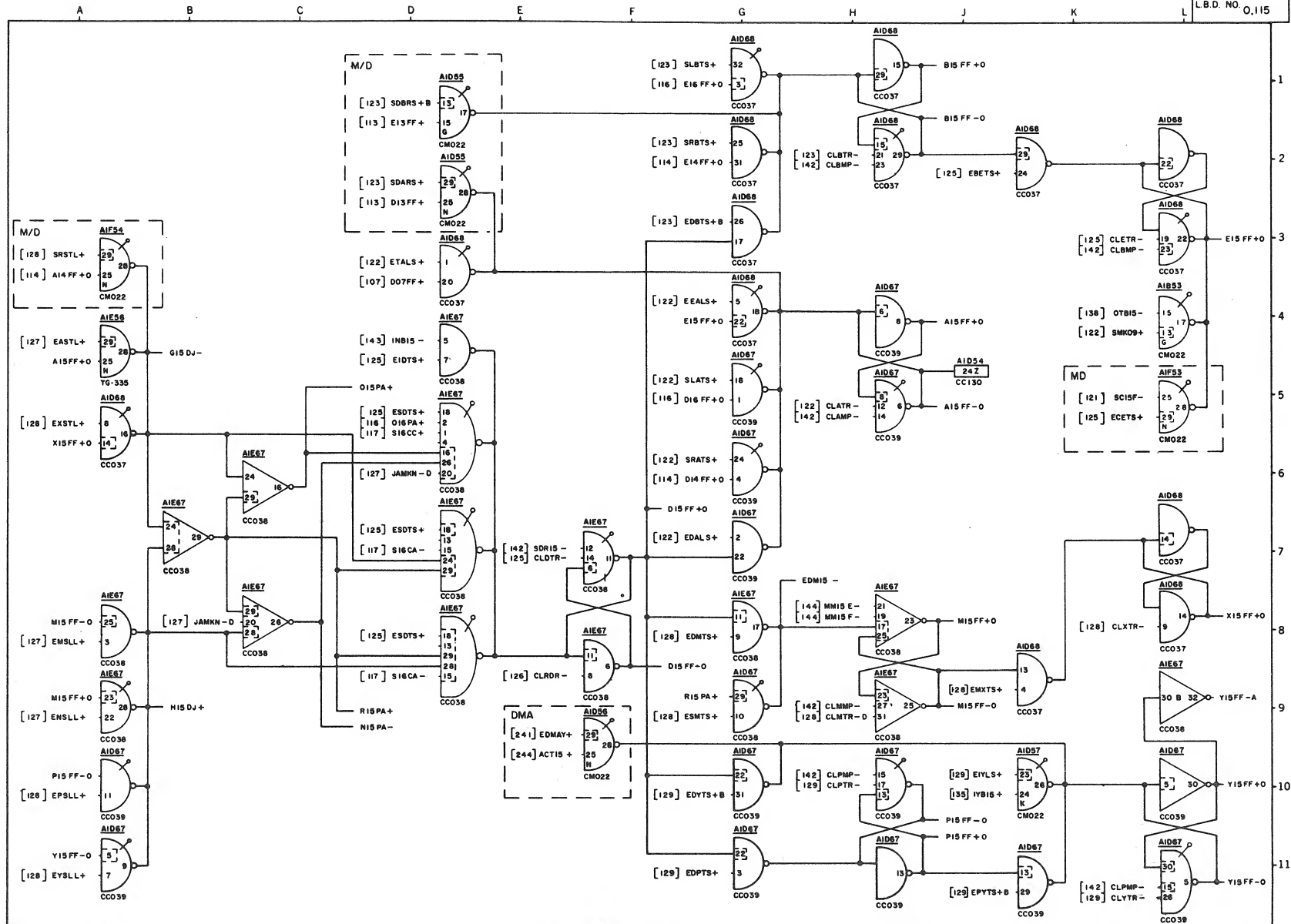










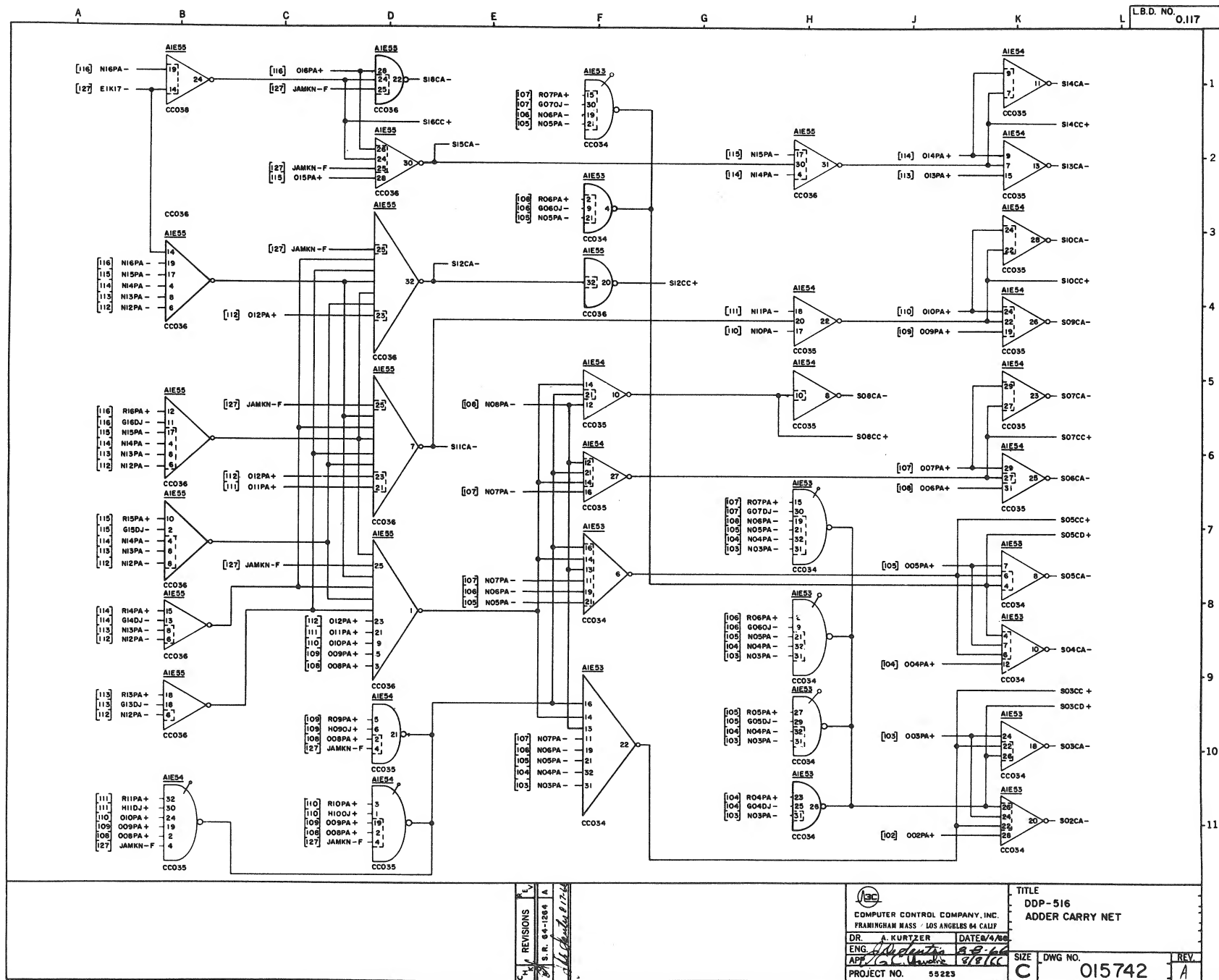


REVISIONS  
S.R. 84-1284 A  
ECO 3767 B  
EXT CHANGES  
1/23/77 J.D.  
REL 1/27

COMPUTER CONTROL COMPANY, INC.  
PRINCETON MASS - LOS ANGELES CALIF  
DR. A. KURTZER  
ENG. J. L. KURTZER  
PROJECT NO. 55223

TITLE  
DDP-516  
COLUMN NO. 15  
DATE 8/4/66  
SIZE DWG NO. C  
015740  
REV

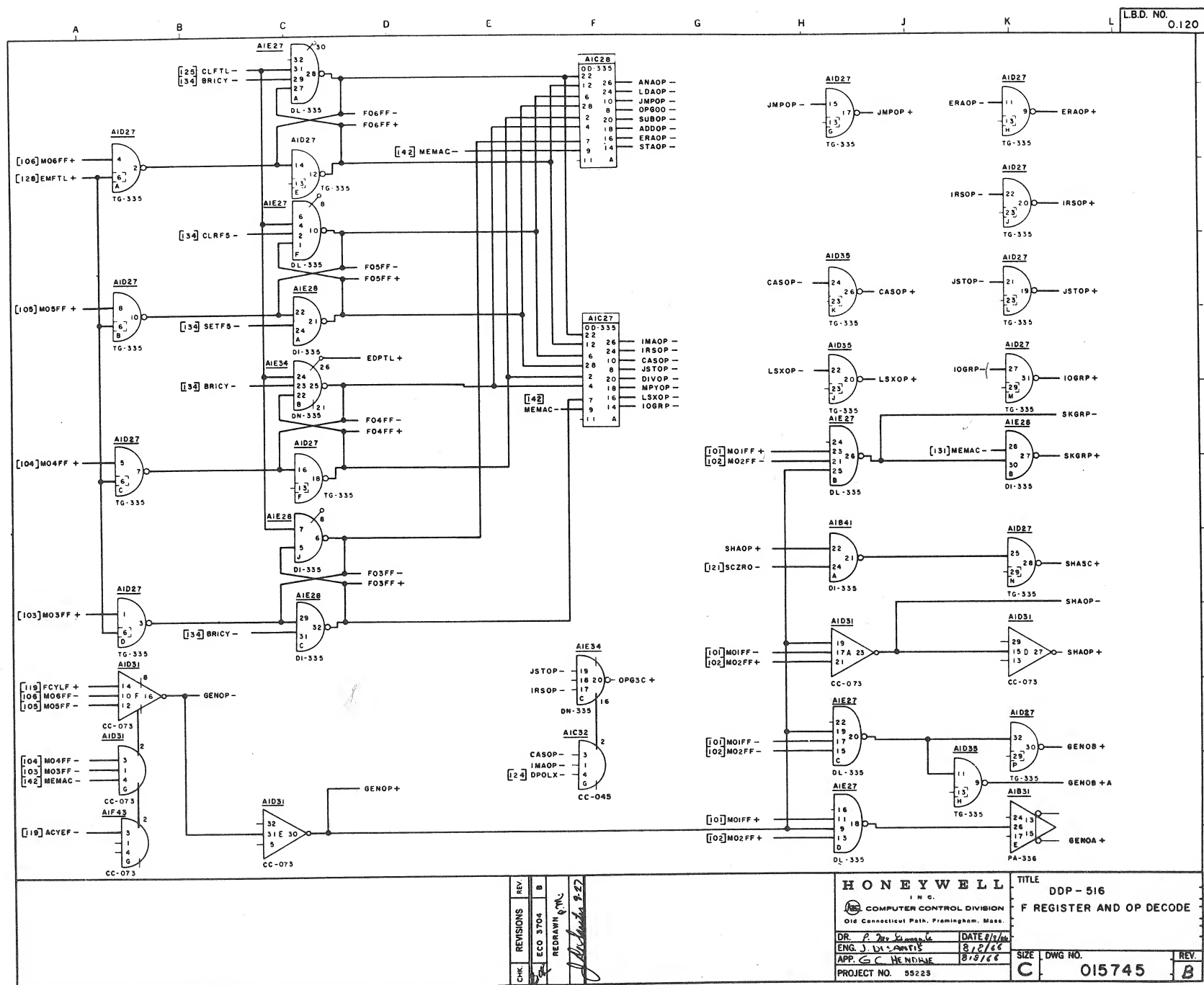


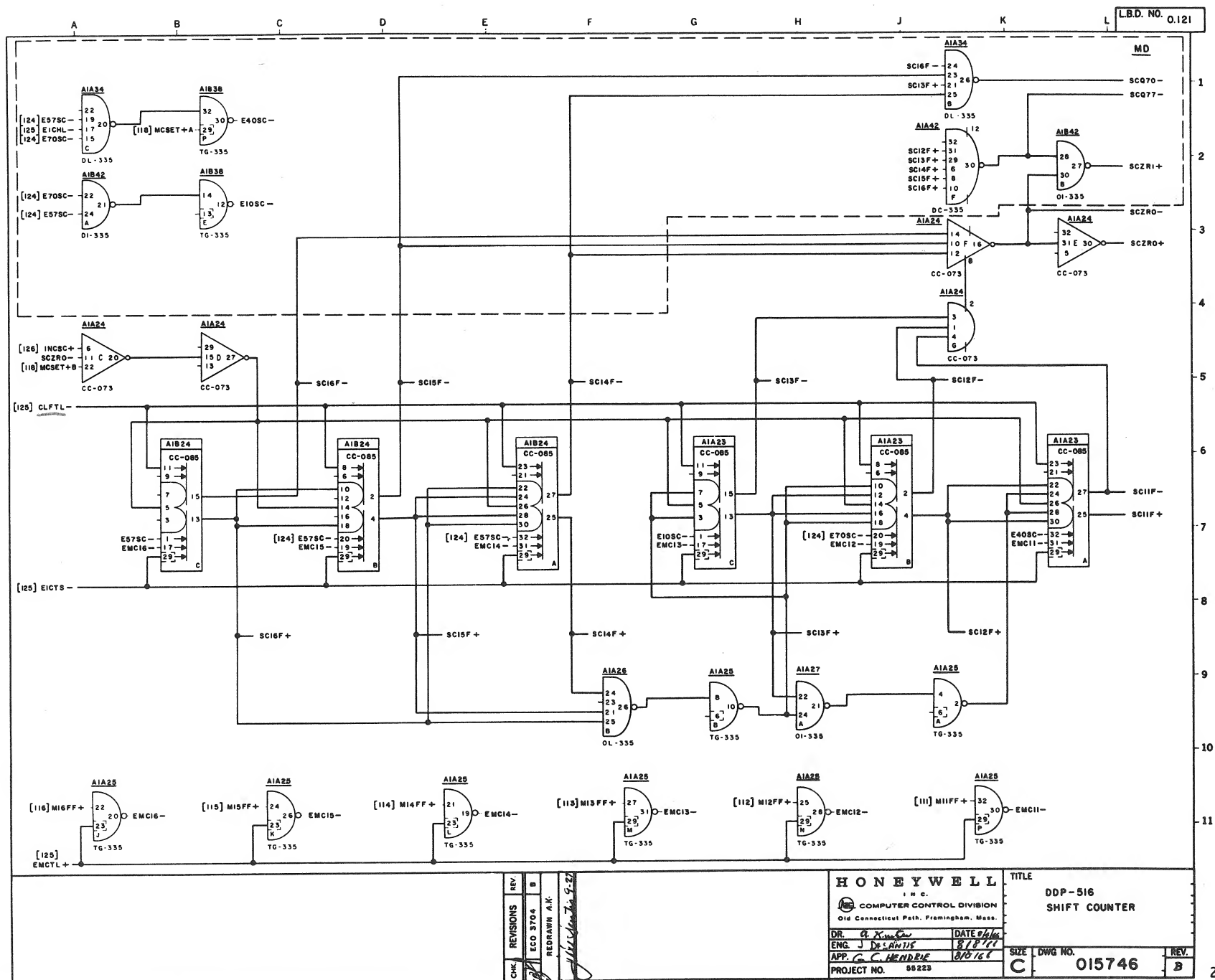


















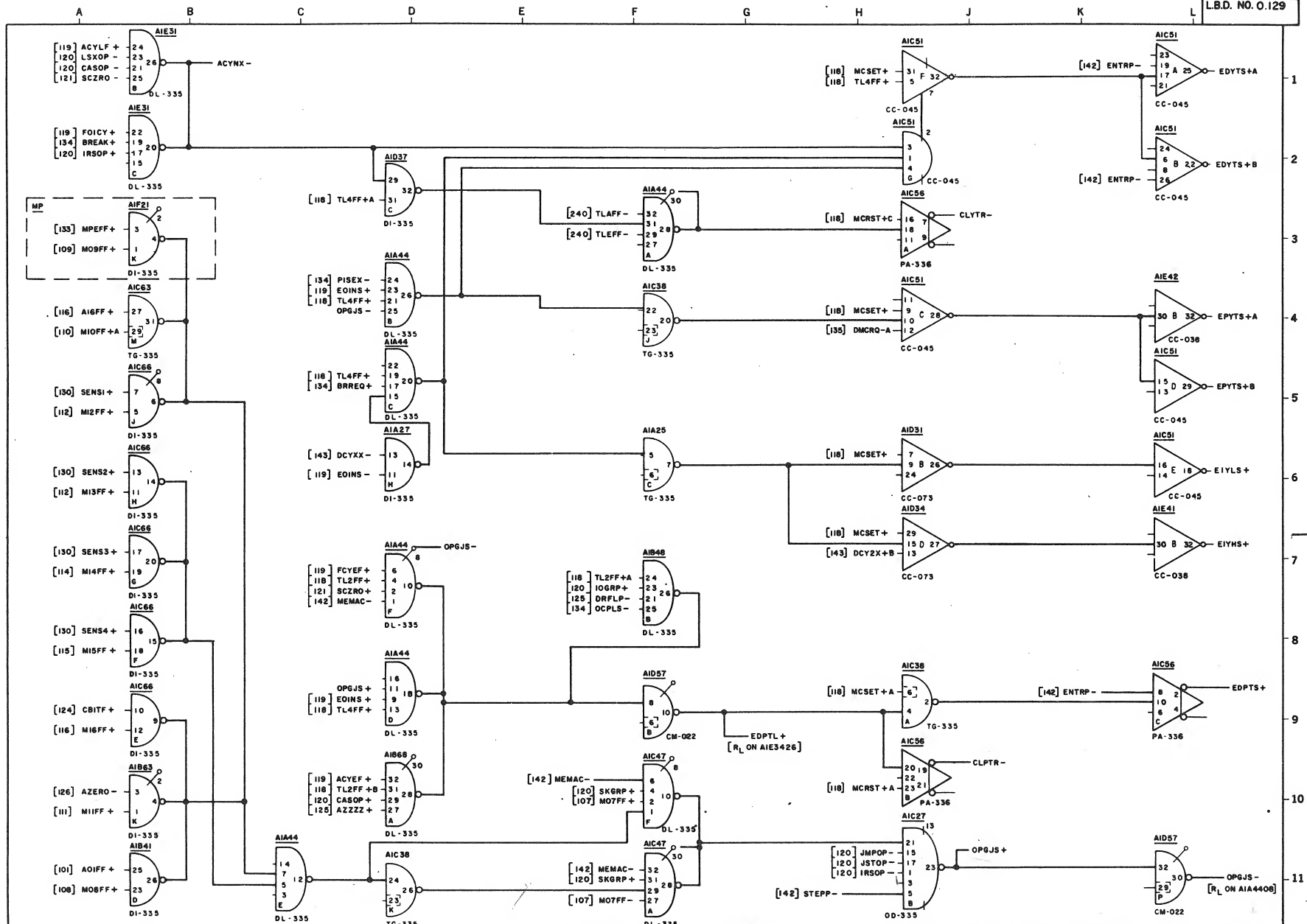












CHK.	REVISIONS	REV.	BY	DATE
1	ECO 3704	B	REDRAWN R.K.	8/27/66
2	ECO 4464	C	ECO 4464	8/27/66
3	ECO 4464	D	ECO 4464	8/27/66
4	ECO 4464	E	ECO 4464	8/27/66
5	ECO 4464	F	ECO 4464	8/27/66
6	ECO 4464	G	ECO 4464	8/27/66
7	ECO 4464	H	ECO 4464	8/27/66
8	ECO 4464	I	ECO 4464	8/27/66
9	ECO 4464	J	ECO 4464	8/27/66
10	ECO 4464	K	ECO 4464	8/27/66
11	ECO 4464	L	ECO 4464	8/27/66

**HONEYWELL**  
I H C.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.

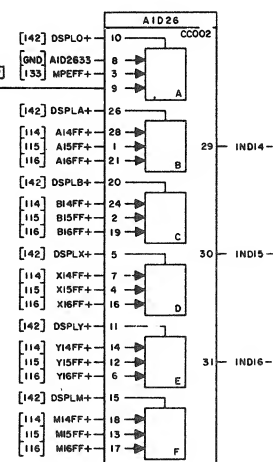
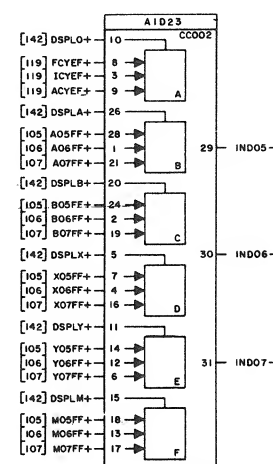
DR. A. KURTZER	DATE 8/4/66
ENG. J. DESANTIS	8/8/66
APP. G. C. HENDRIS	8/8/66

PROJECT NO. 55223

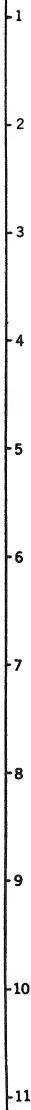
**TITLE**  
DDP-516  
CONTROL LOGIC PY

SIZE	DWG NO.	REV.
C	015754	D



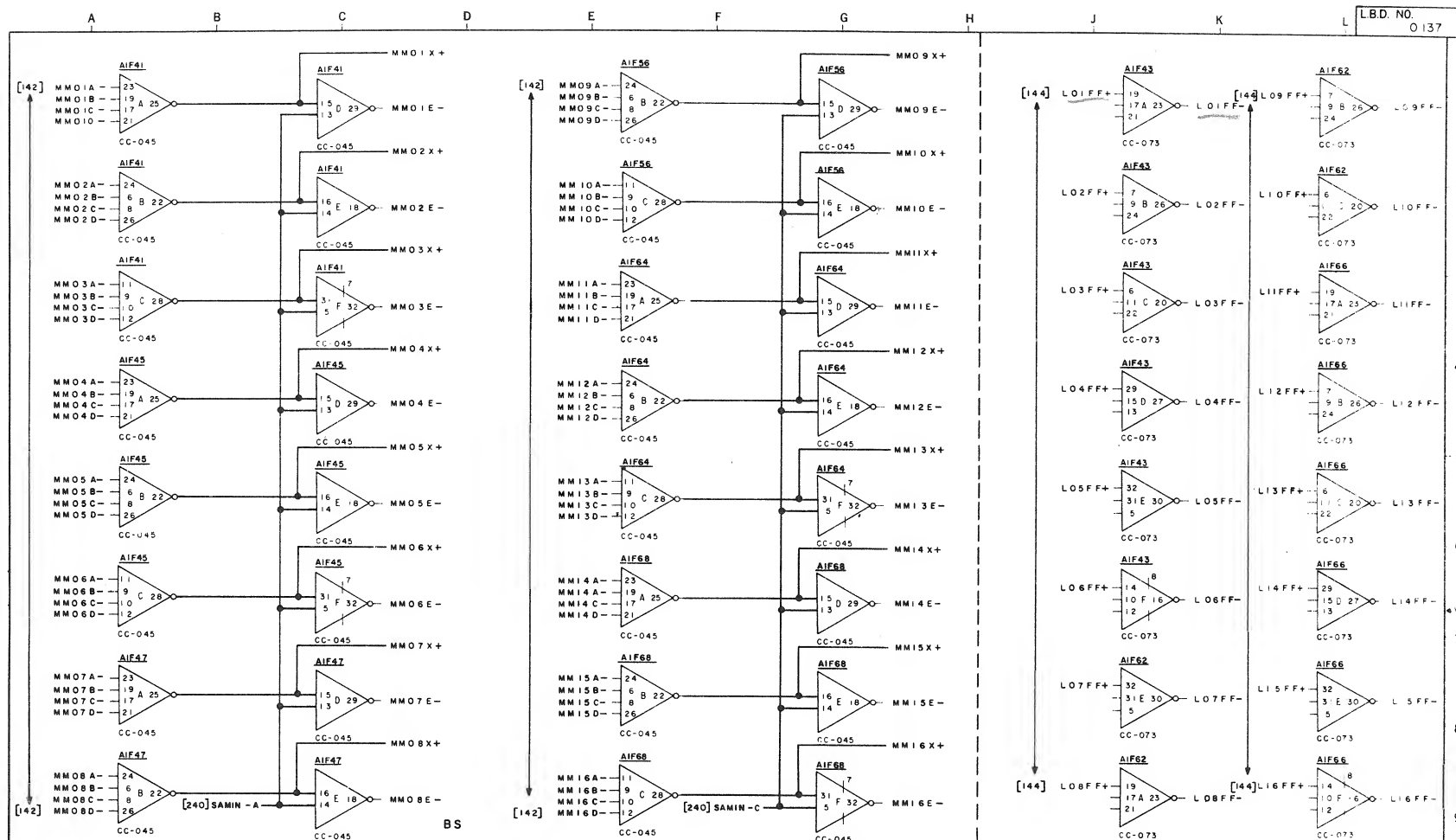






SIZE	DWG NO.
C	015758





NOTE: WHEN DMA OPTION IS INSTALLED THIS DRAWING IS SUPERSEDED BY LBD 0.242 & 0.243.

REV	REVISIONS
ECO 3839	B
ECO 3839	B
ECO 3839	B

**HONEYWELL**  
INC.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.  
DR. J. DOYLE  
ENG. *[Signature]*  
APP. *[Signature]*  
PROJECT NO. 55223

TITLE  
DDP-516  
M REGISTER EXPANSION

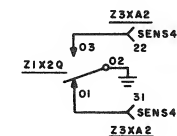
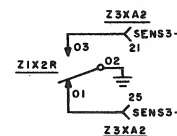
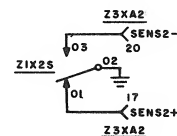
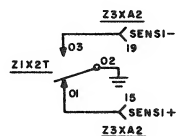
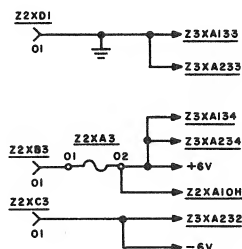
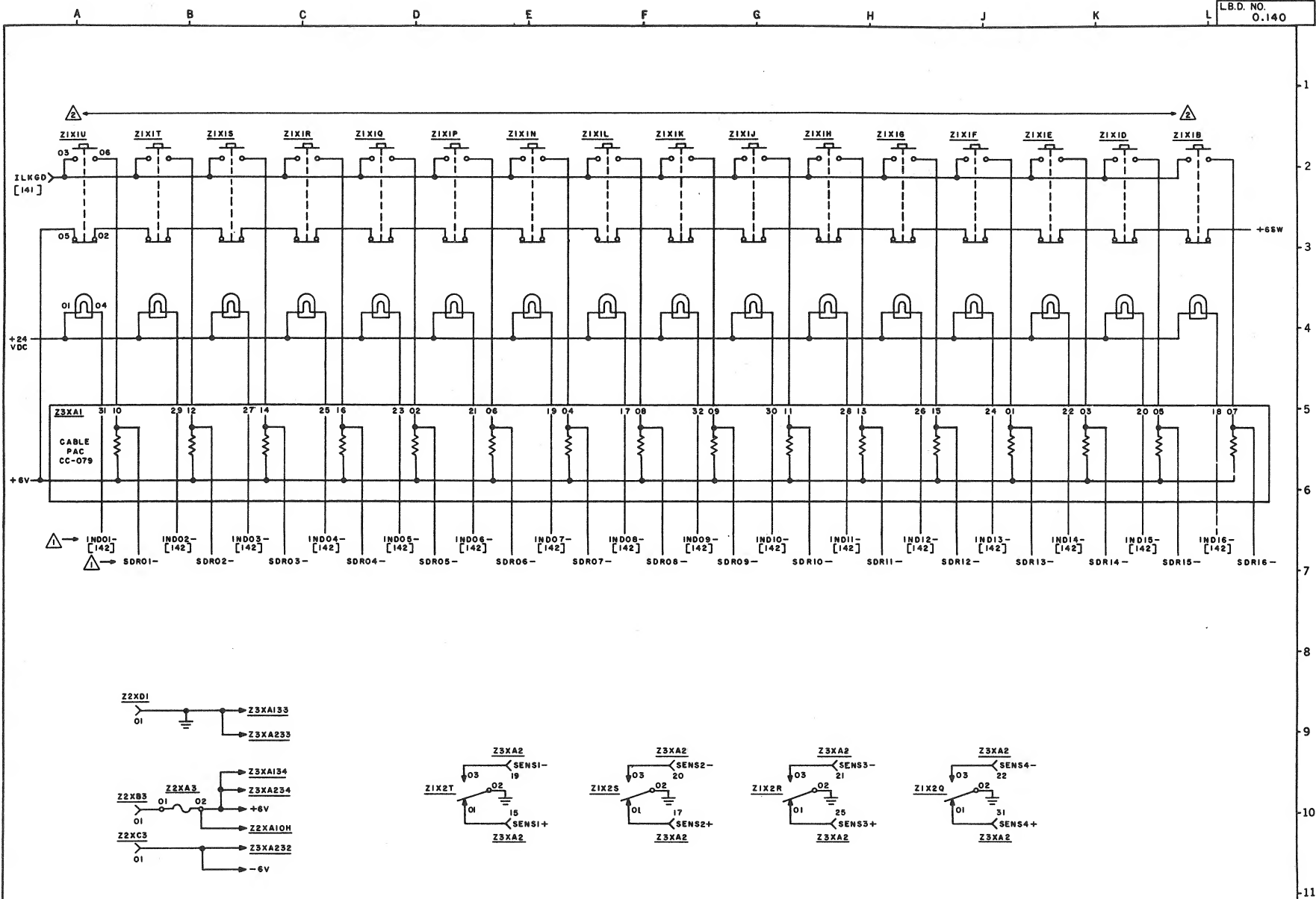
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C 015760

REV.  
B





[illegible]



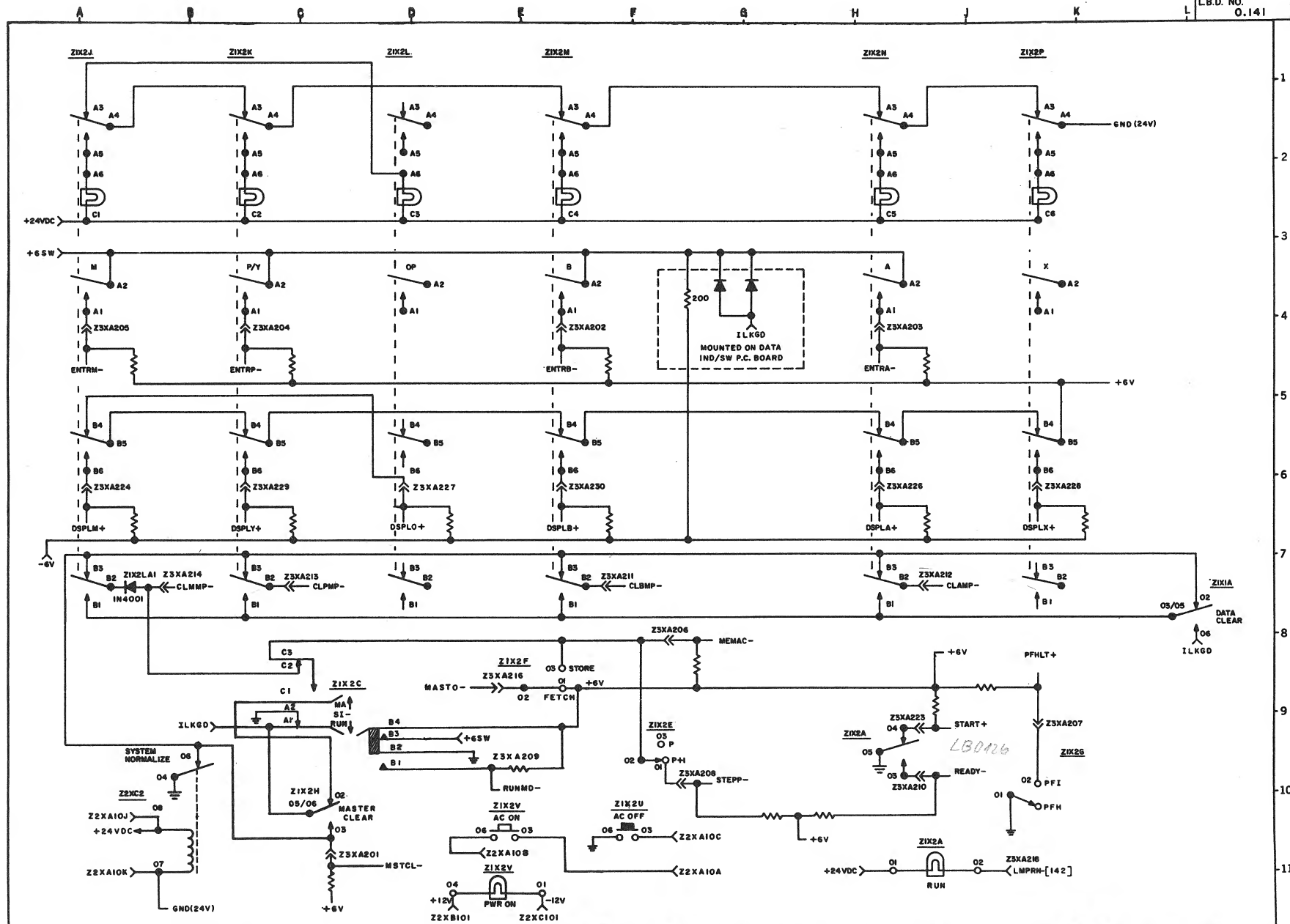
NOTE:

- △ EACH SIGNAL IS TWISTED WITH A GROUND AND CABLED TO M.F.
- △ PIN NUMBERS ON PUSHBUTTON-INDICATORS (ZIXIB THRU ZIXIT) SAME AS ZIXIU CODING.

REVISIONS	DATE	BY	EXT. CHANGES
1	6-12-64	A	
2	7-12-66	B	

COMPUTER CONTROL COMPANY, INC. FRANKLIN, MASS. / LOS ANGELES 64, CALIF.	
DR. A. KURTZER	DATE 8/11/66
ENG. <i>[Signature]</i>	8-2-66
APR <i>[Signature]</i>	8/12/66
PROJECT NO. 55223	

TITLE DDP-516 CONSOLE INDICATORS	
SIZE C	DWG NO. 015762
REV. B	



NOTE:  
 ⚠ EXCEPT WHERE NOTED ALL RESISTORS AND DIODES ARE ON A CC-080 CABLE PAC (Z3XA2)  
 ⚠ EXCEPT WHERE NOTED ALL RESISTORS ARE IN.

[illegible]



A B C D E F G H J K L

[138] OTB01+	1	2	INB01-[*]	[138] OTB09+	1	2	INB09-[*]
[*] INB02-	3	4	ADB07-[138]	[*] INB10-	3	4	ADB12-[138]
[138] ADB08-	5	6	OTB02+[138]	[138] ADB13-	5	6	OTB10+[138]
[138] OTB03+	7	8	INB03-[*]	[138] OTB11+	7	8	INB11-[*]
[*] INB04-	9	10	ADB09-[138]	[*] INB12-	9	10	ADB14-[138]
[138] ADB10-	11	12	OTB04+[138]	[138] ADB15-	11	12	OTB12+[138]
[138] OTB05+	13	14	INB05-[*]	[138] OTB13+	13	14	INB13-[*]
[*] INB06-	15	16	ADB11-[138]	[*] INB14-	15	16	ADB16-[138]
[*] DRLIN-	17	18	OTB06+[138]	[*] PILOO-	17	18	OTB14+[138]
[138] OTB07+	19	20	INB07-[*]	[138] OTB15+	19	20	INB15-[*]
[*] INB08-	21	22	PARCK-[*]	[*] INB16-	21	22	
	23	24	OTB08+[138]	[148] PWRFL-	23	24	OTB16+[138]
[134] SMKXX-	25	26	AIC2133[GND]	[134] CMKXX-	25	26	AIB2133[GND]
[134] OCPLS-	27	28	AIC2133[GND]		27	28	AIB2133[GND]
[134] SMK01-	29	30	AIC2133[GND]	[134] RRLIN-	29	30	VDC06-[-6V]
ERLXX-	31	32	AIC2133[GND]	[131] MSTCL-	31	32	VDC08-[-6V]

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PI				DMC			
[135] SMPIL+A	1	2		[138] OTB01-	1	2	INB01-[224]
[200] IG137-	3	4		[224] INB02-	3	4	IYB02+[224]
[138] SMPIL+B	5	6		[224] IYB03+	5	6	OTB02-[138]
[200] IG127+	7	8		[138] OTB03-	7	8	INB03-[224]
[138] SMPIL+C	9	10	IADX7-[200]	[224] INB04-	9	10	IYB04+[224]
[200] IG117-	11	12	IADX6-[200]	[224] IYB05+	11	12	OTB04-[138]
[134] CLPIL-	13	14	IADX5-[200]	[138] OTB05-	13	14	INB05-[224]
[200] IG117+	15	16	IADX4-[200]	[224] INB06-	15	16	IYB06+[224]
[135] CLSEX-A	17	18	IADX3-[200]	[224] IYB07+	17	18	OTB06-[138]
[200] IG107+	19	20	IADX1-[200]	[138] OTB07-	19	20	INB07-[224]
[135] CLSEX-B	21	22	IADX2-[200]	[224] INB08-	21	22	IYB08+[224]
[200] IG077-	23	24		[224] DMCRO+	23	24	OTB08-[138]
[138] CLSEX-C	25	26		[224] DCY2X+B	25	26	DCYXX-[224]
[200] IG067+	27	28	IG063+[135]	[224] DMCRR+	27	28	DCY3X+[224]
[200] SEXRO+	29	30	IG063-[135]	[224] DMCWR-	29	30	DALEN-[224]
[138] IG063-	31	32	PIREQ+	[200] [224] ENDRG+	31	32	

[IF NO PI OPTION, SUBSTITUTE CC054]

1	2
3	4
5	6
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9	10
11	12
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DMC			
[138] OTB09-	1	2	INB09-[224]
[224] INB10-	3	4	IYB09+[224]
[224] IYB10+	5	6	OTB10-[138]
[138] OTB11-	7	8	INB11-[224]
[224] INB12-	9	10	IYB11+[224]
[224] IYB12+	11	12	OTB12-[138]
[138] OTB13-	13	14	INB13-[224]
[224] INB14-	15	16	IYB13+[224]
[224] IYB14+	17	18	OTB14-[138]
[138] OTB15-	19	20	INB15-[224]
[224] INB16-	21	22	IYB15+[224]
[224] IYB16+	23	24	OTB16-[138]
[118] TL1FF+	25	26	EOINS+[119]
[118] TL2FF+A	27	28	MCSET+B[118]
[118] TL3FF+	29	30	TL4FF+A[118]
[142] MSTCL-	31	32	

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32

[\*] THESE SIGNALS ARRIVE BY BUS FROM I/O OPTIONS, DEPENDING ON SYSTEM CONFIGURATION

REVISIONS	ECO 3767	EXT CHANGES	1/23/87 J.D.
RCL 1/27			

COMPUTER CONTROL COMPANY, INC. FRAMINGHAM MASS LOS ANGELES CALIF	
DR. A. KURTZER	DATE 8/4/88
APP. [Signature]	DATE 8/16/88
PROJECT NO. 55223	

TITLE DDP-516 I-O CABLE CONNECTORS	
SIZE C	DWG NO. 015765
REV. 15	




1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32

CC064

CC05

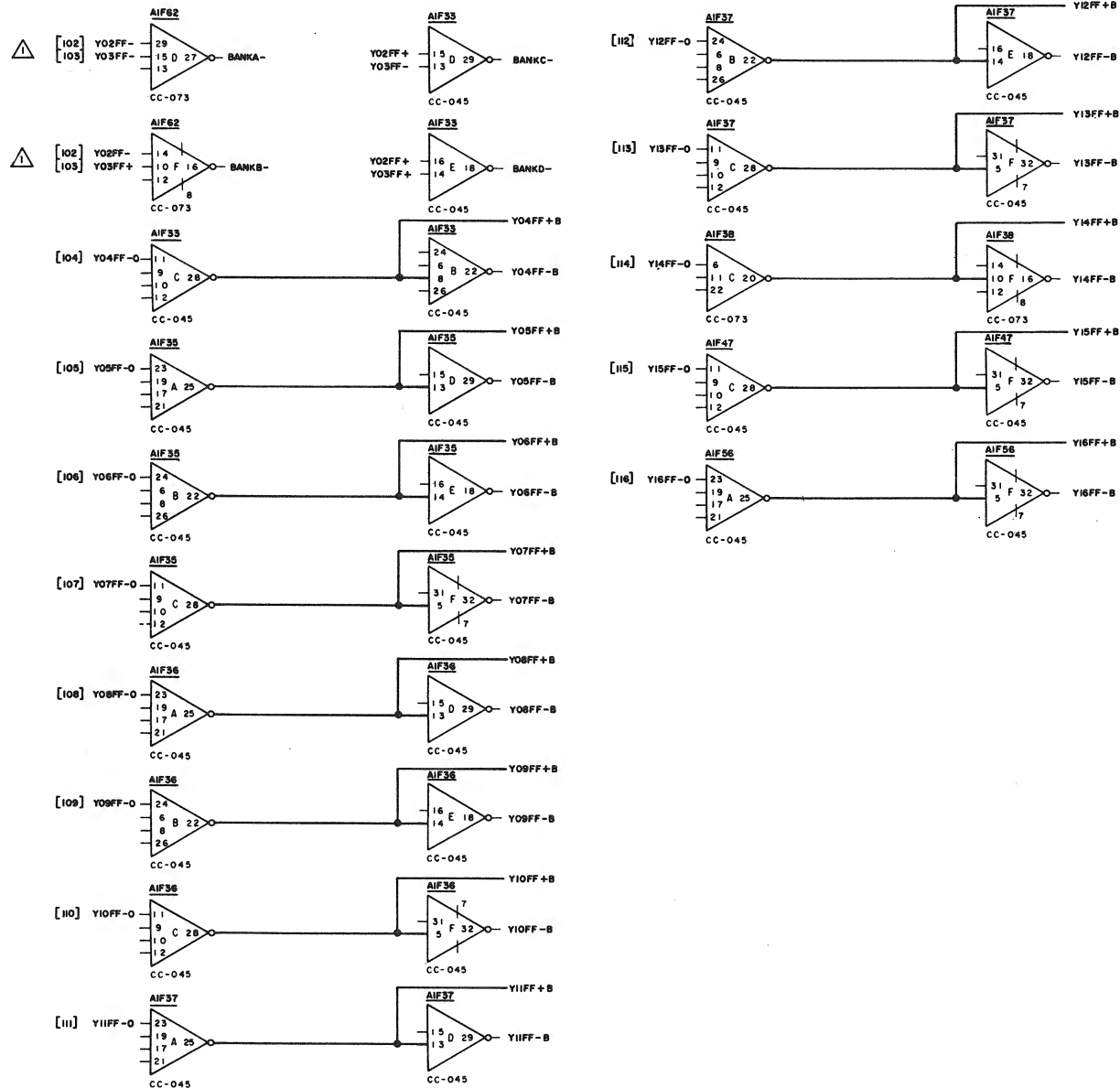
CCOS

REMOVE JUMPER  
IF DMC


  
**COMPUTER CONTROL COMPANY, INC.**  
 FRAMINGHAM MASS. LOS ANGELES 64 CALIF.

DR. A. KURTZER	DATE 8/4/66
ENG. <i>[Signature]</i>	8-9-66
APP. <i>[Signature]</i>	8/16/66
PROJECT NO. 95223	

SIZE	DWG NO.
C	015766



THIS SIGNAL ONLY WIRED IN MACHINES WITH OVER 16K MEMORY

REV.	REVISIONS
B	ECO 3704
C	ECO 4785
D	ECO 4785
E	ECO 4785
F	ECO 4785
G	ECO 4785
H	ECO 4785
I	ECO 4785
J	ECO 4785
K	ECO 4785
L	ECO 4785

**HONEYWELL**  
I N C.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.

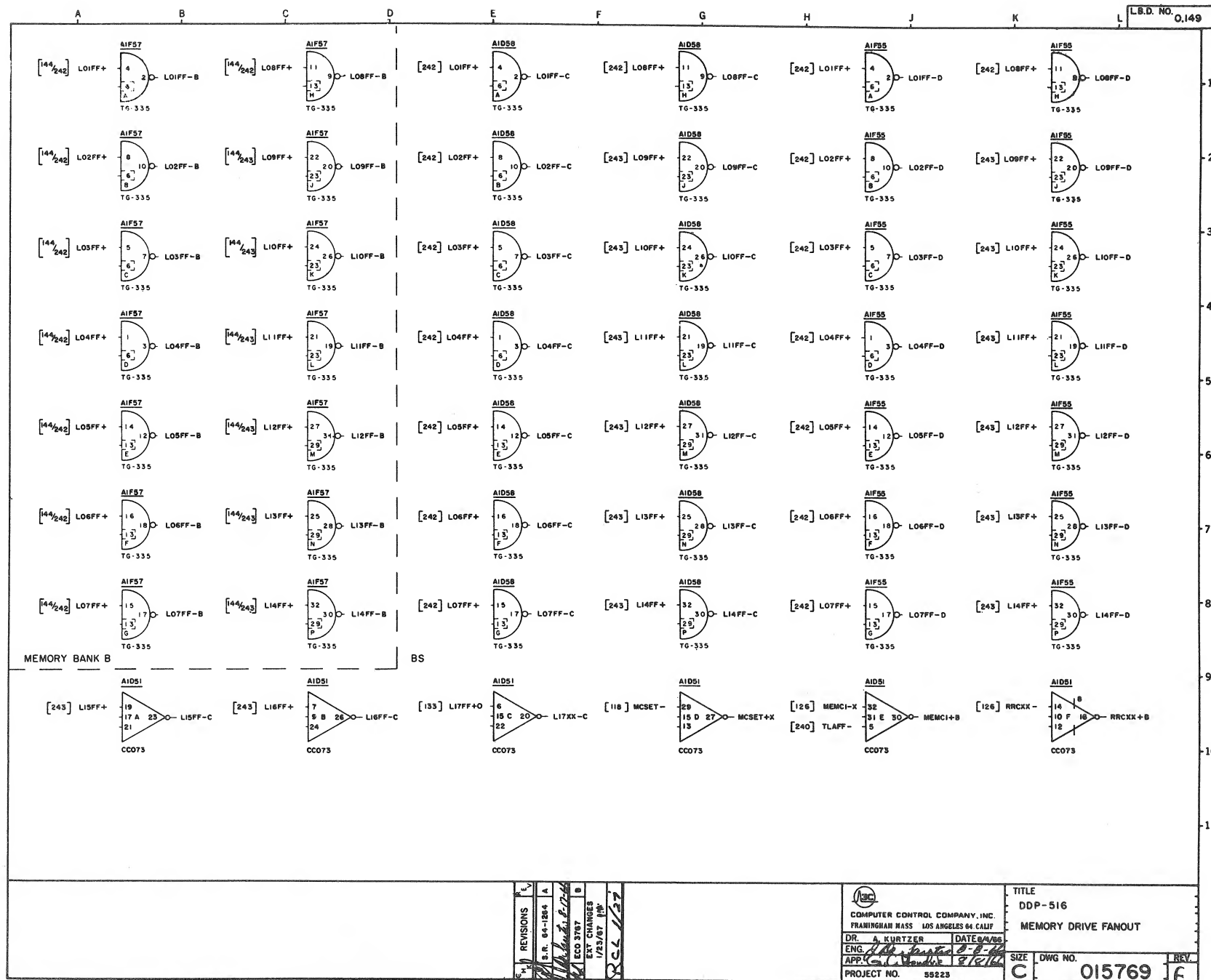
DR. *G. X. [Signature]* DATE 9/4/68  
ENG. *J. [Signature]*  
APP. *G. C. Hendon*  
PROJECT NO. 55223

TITLE  
DDP-516  
Y-REGISTER EXPANSION

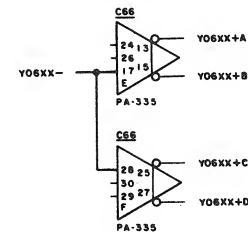
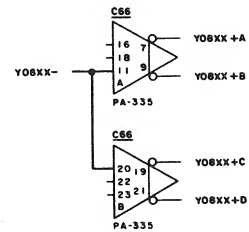
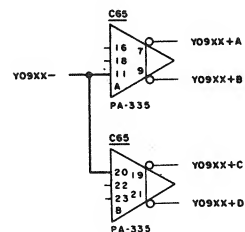
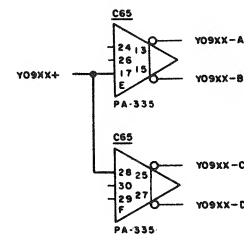
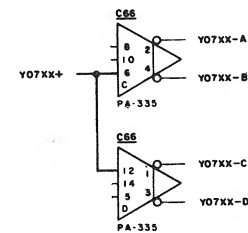
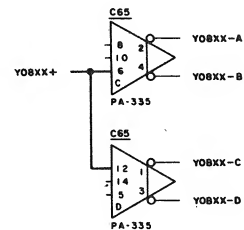
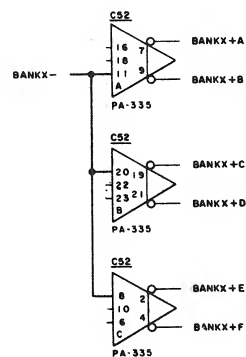
SIZE C DWG NO. 015767

REV. C





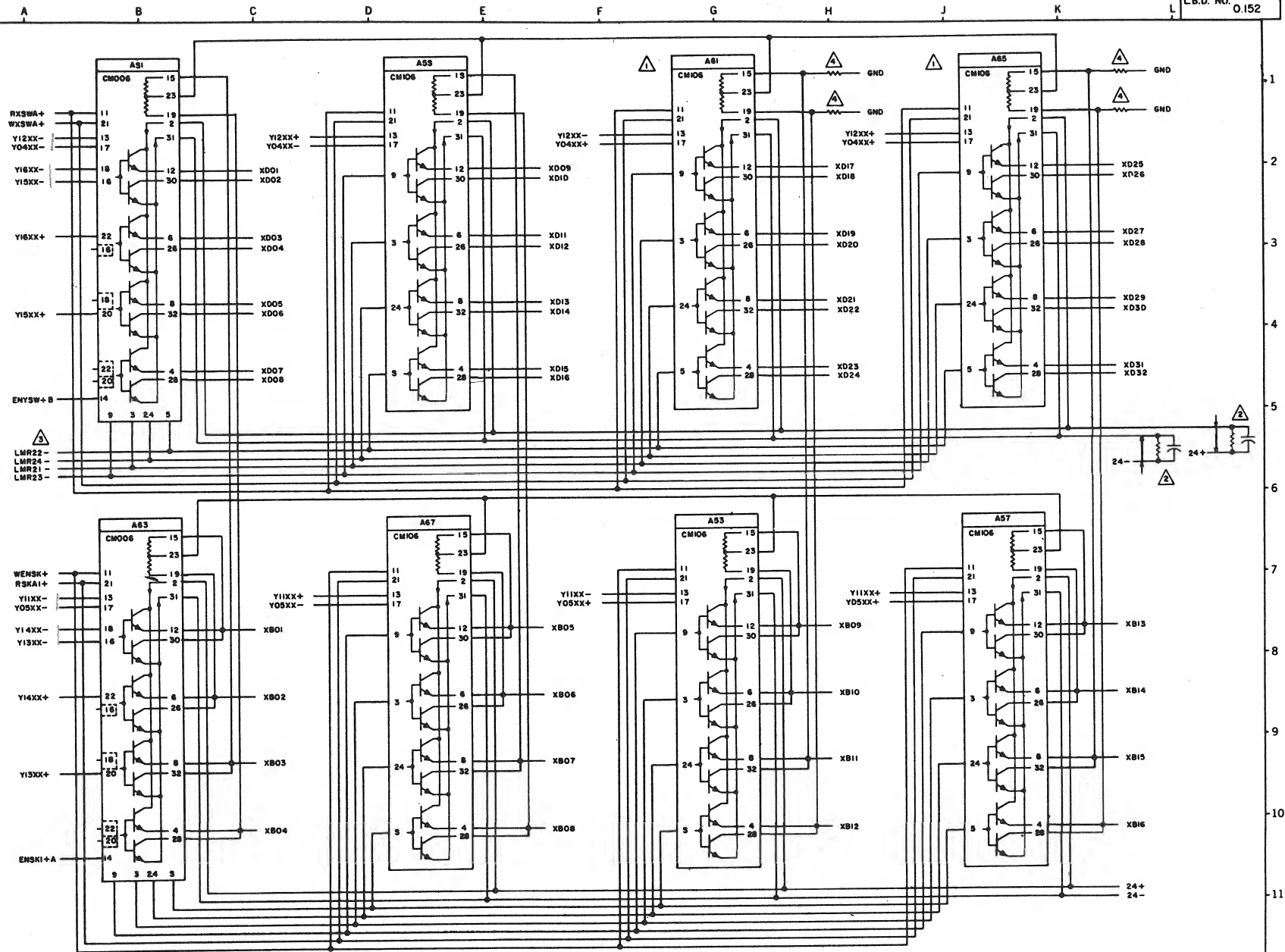




REV	REVISIONS	DATE
1	REVISIONS	8/11/66
2	REVISIONS	8/11/66

COMPUTER CONTROL COMPANY, INC. FRAMINGHAM MASS 01904 LOS ANGELES 94 CALIF	
DR. A. KURTZER	DATE 8/11/66
ENG. R. W. FLETCHER	DATE 8/11/66
PROJECT NO. 55217	

TITLE		REV
ADDRESS BUFFER		A
SIZE	DWG NO.	
C	015416	



- △ FOR 4096 WORD MEMORY DELETE CM106'S IN PAC LOCATIONS A55 & A51
- △ 5 WATT RESISTOR & CAP (MOUNTED ON RESISTOR PLATE)
- △ 1/4 WATT RESISTOR (MOUNTED ON BACK PLANE)
- △ 1/4 WATT RESISTOR (MOUNTED ON BACK PLANE) ON 4096 WORD MODULE

REV	DESCRIPTION	DATE
1	REVISIONS	
2	S.R. 64-1264	
3	ECO 8906	
4	EXT. CHANGES	
5	SEE EFC 6/14/68	

DR. A. KURTZER	DATE 8/4/68
ENG. R. W. FLETCHER	8/11/68
APP. J. W. FLETCHER	8/17/68
PROJECT NO. 55217	

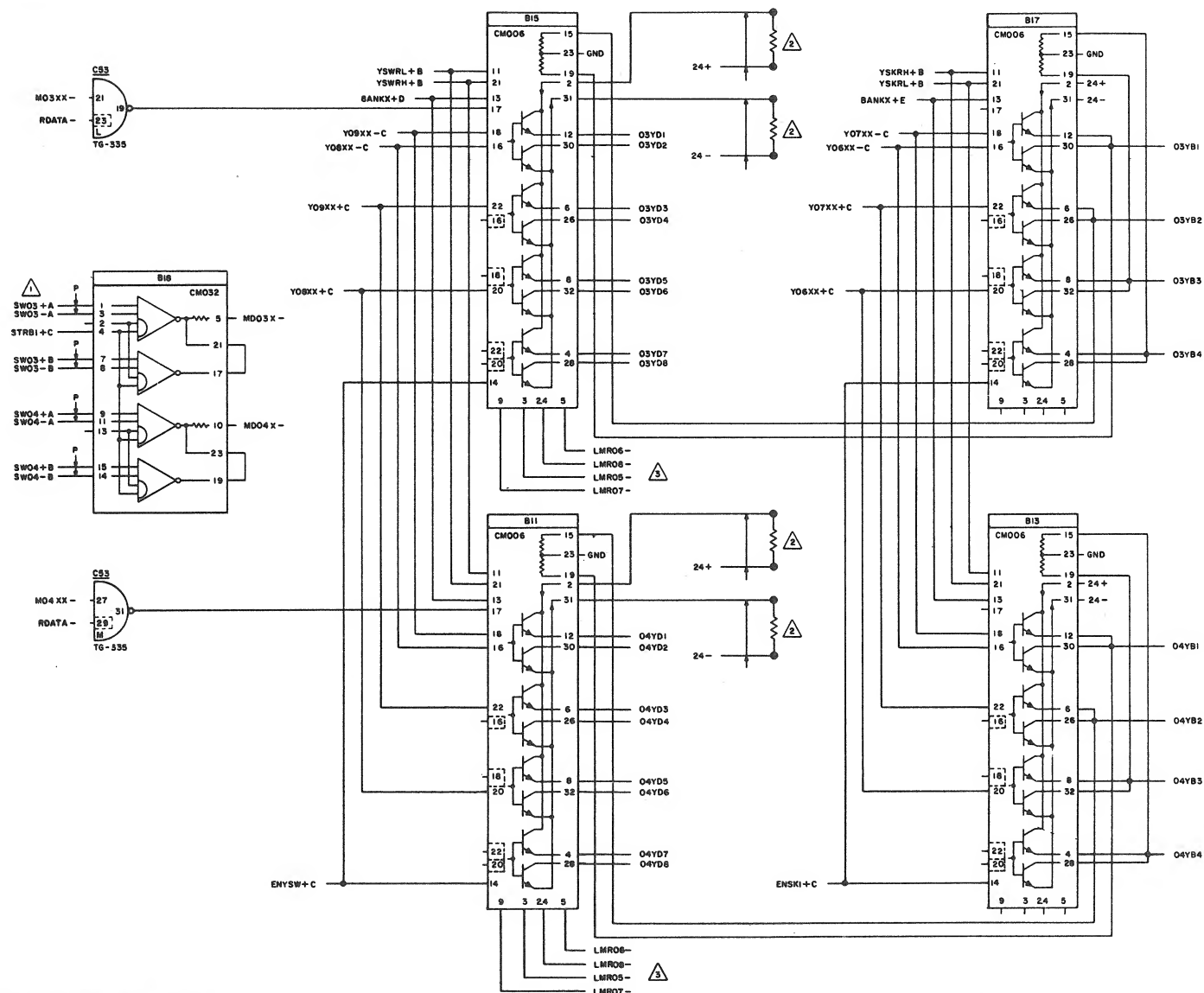
TITLE  
X DECODING AND  
SELECTION

SIZE DWG NO.  
C 015417

REV.  
B








- 1 FOR 4096 WORD MEMORY CMO33 REPLACES CMO32
- 2 5 WATT RESISTOR (MOUNTED ON RESISTOR PLATE)
- 3  $\frac{1}{4}$  WATT RESISTOR (MOUNTED ON BACK PLANE)

C <sub>H</sub> K	✓	REVISIONS	R <sub>E</sub> V
		S.R. 64-1264	A
Done with 18/17			

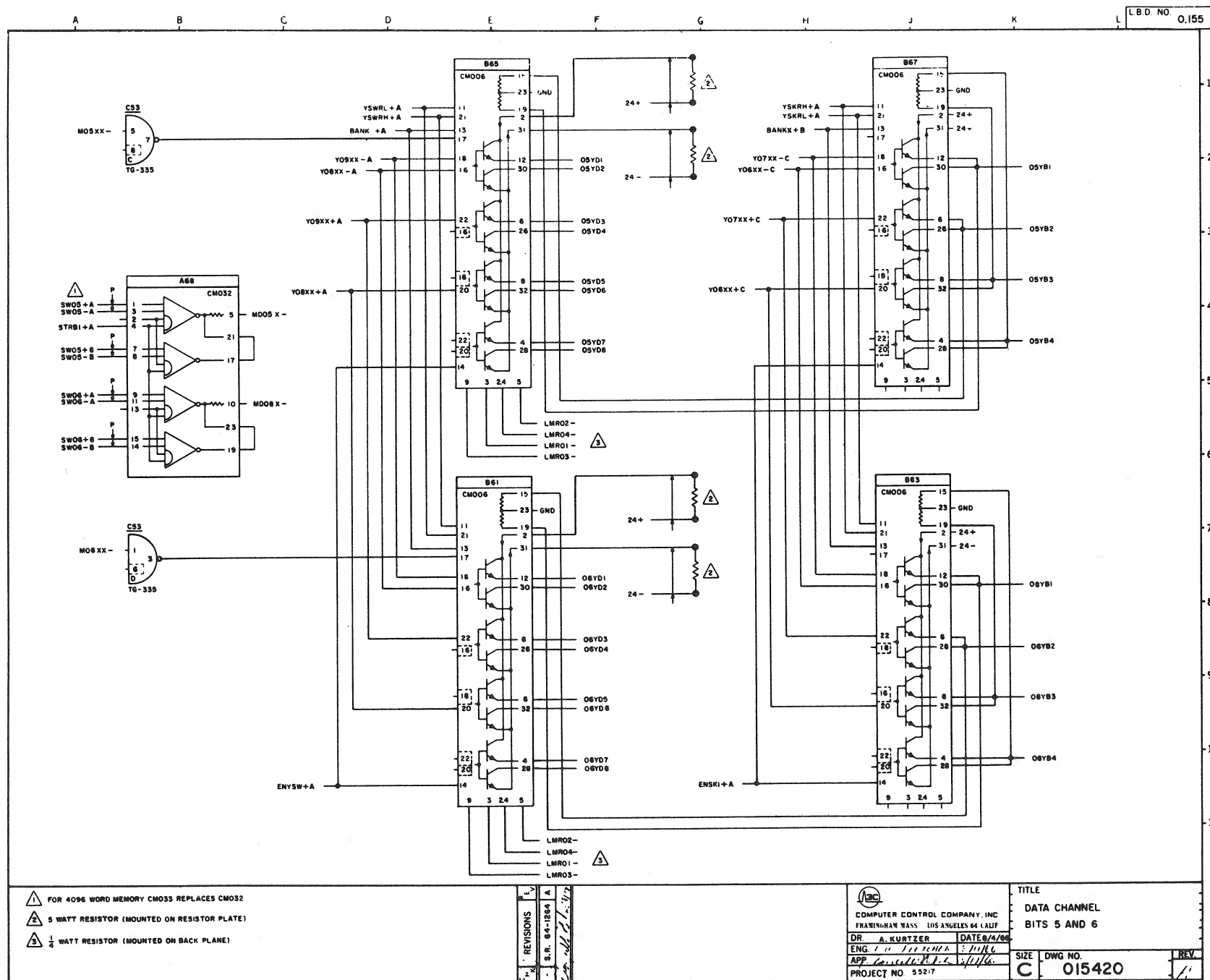

  
 COMPUTER CONTROL COMPANY, INC.
   
 FRAMINGHAM MASS    LOS ANGELES 84 CALIF

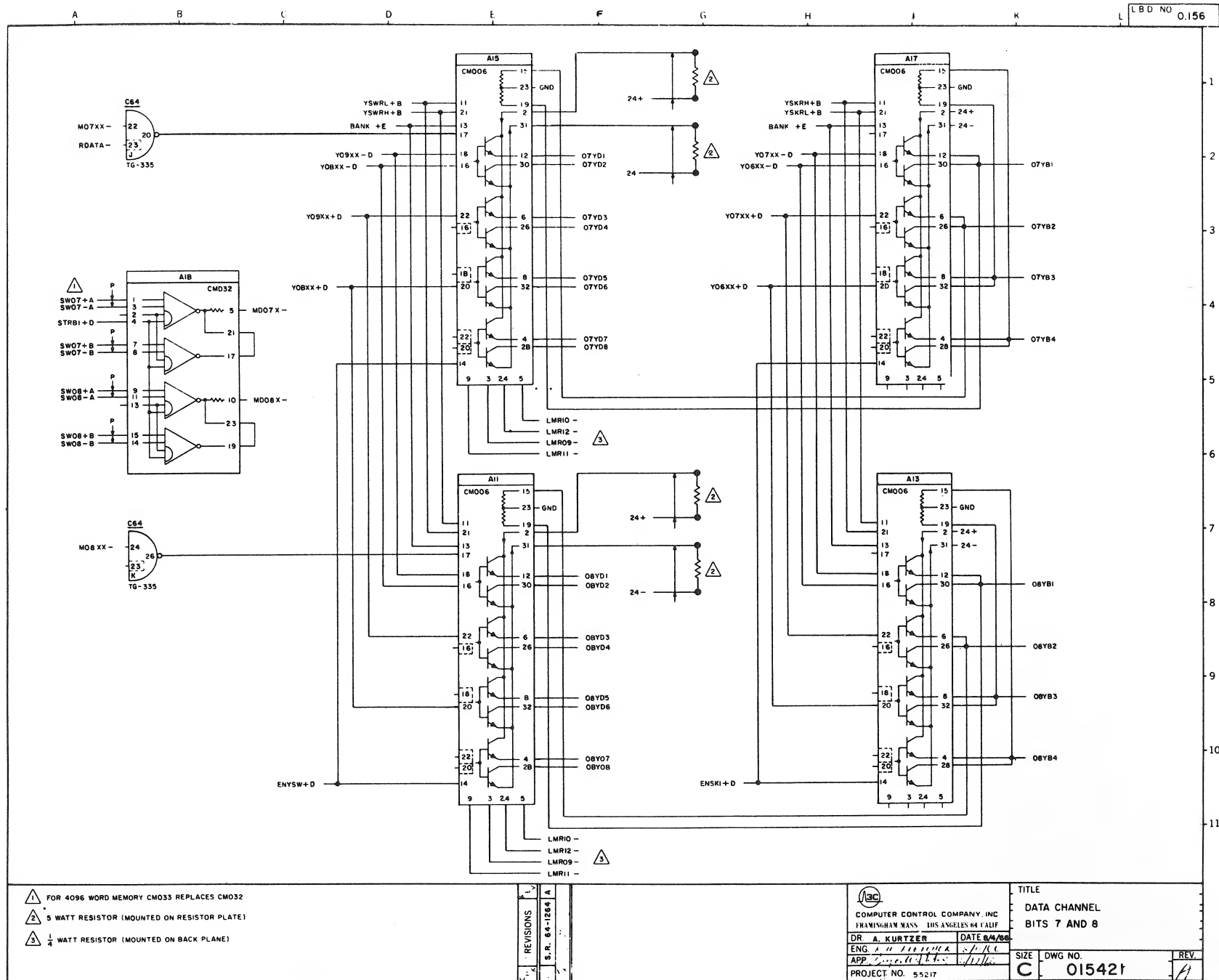
DR. A. KURTZER	DATE 8/4
ENG. A. C. FLETCHER	8/11/66
APP. <i>[Signature]</i>	8/17/66
PROJECT NO. 55217	

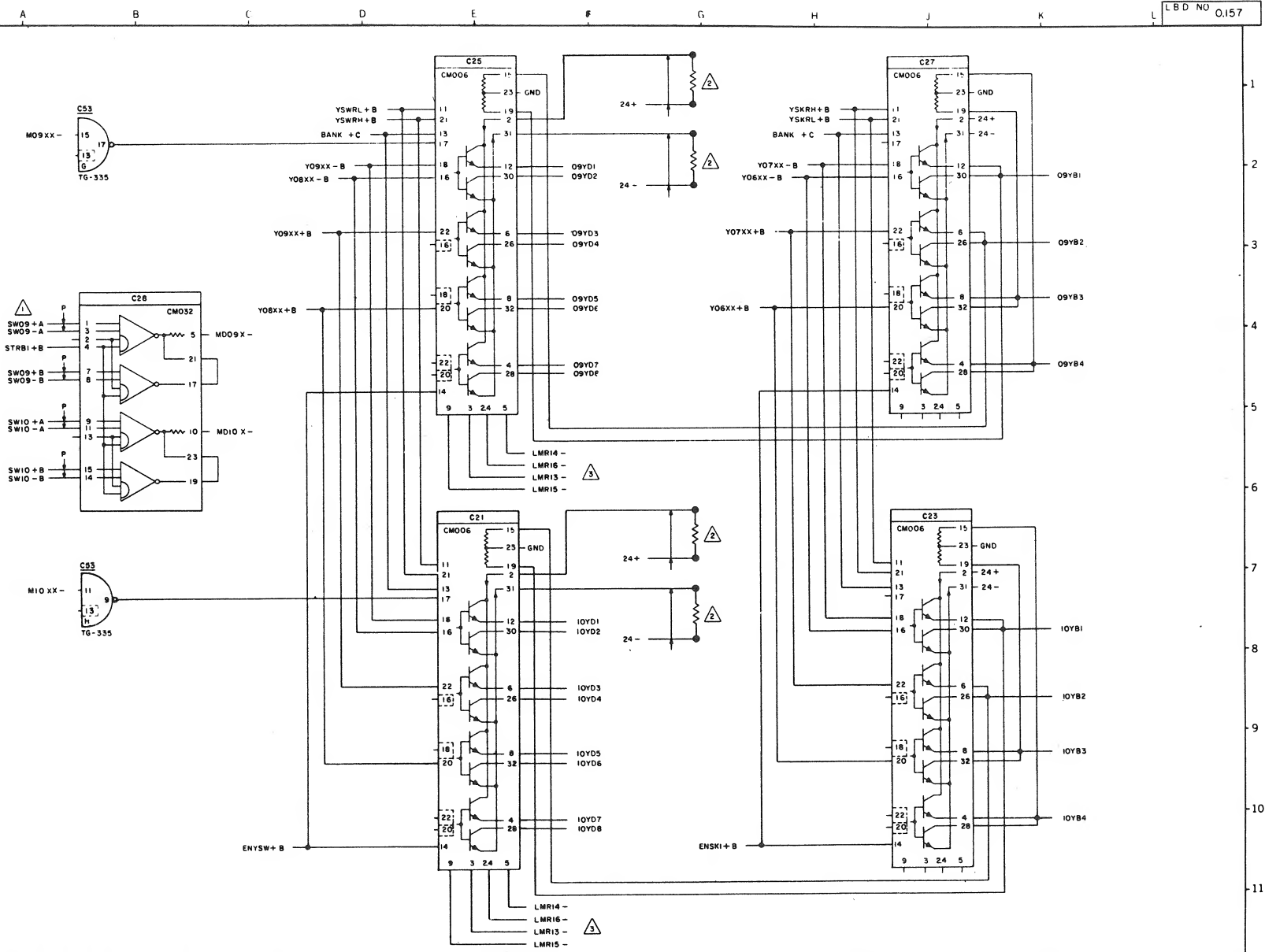
TITLE
DATA CHANNEL
BITS 3 AND 4

SIZE	DWG NO.
C	015419

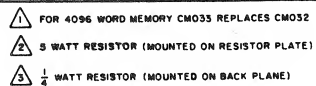
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----









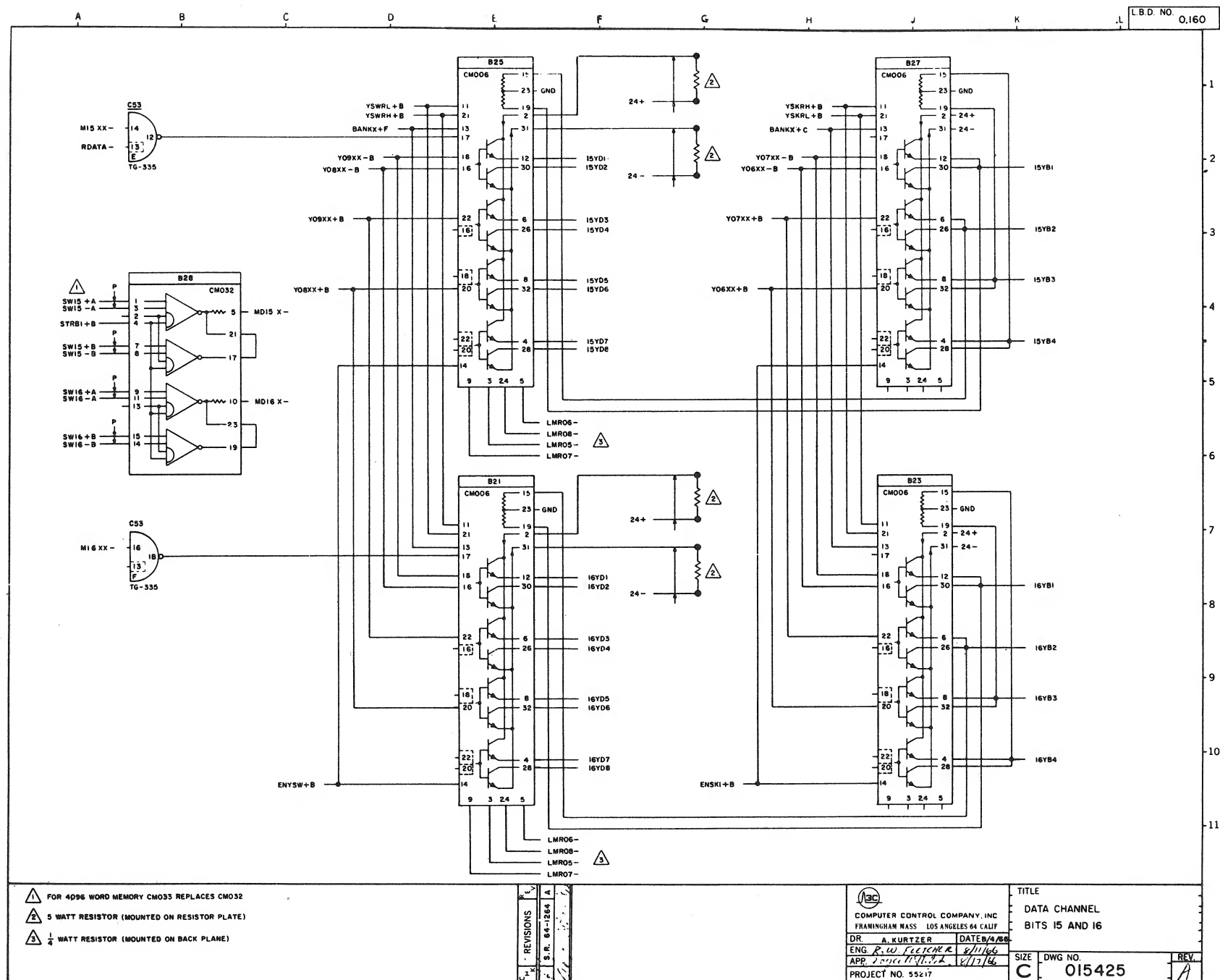


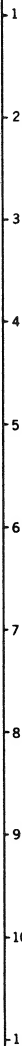
C <sub>H</sub> K	REVISIONS	R <sub>E</sub> V
	S. R. 64-1264	A

PROJECT NO. 55217

SIZE	DWG NO.
C	015424

REV.	1
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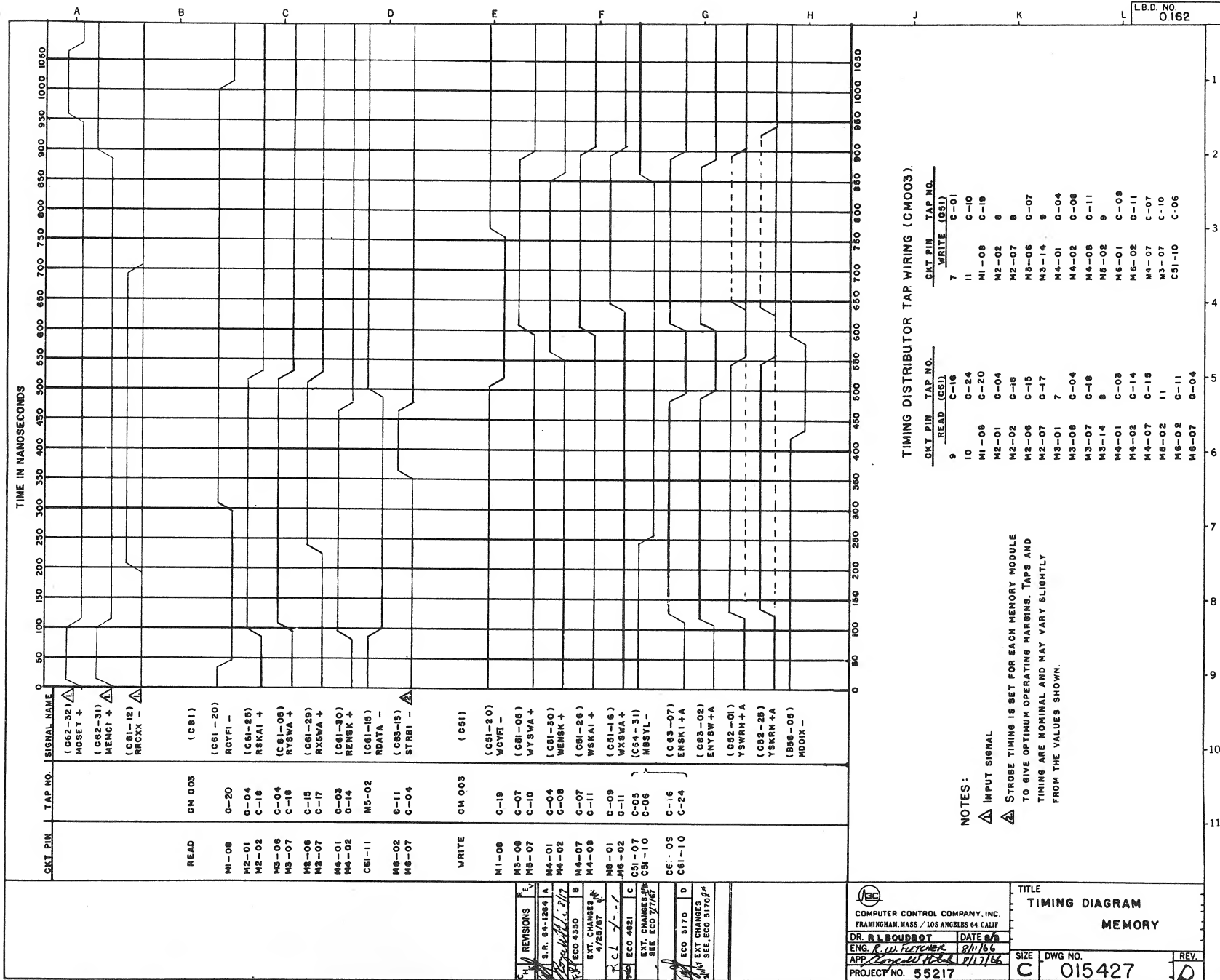




- |                |               |                |
|----------------|---------------|----------------|
| C <sub>H</sub> | REVISIONS     | R <sub>E</sub> |
| 64             | S. R. 64-1264 | A              |

TITLE		
DATA CHANNEL		
BIT 17		
SIZE	DWG NO.	REV.
C	015426	A





	C67	
	1	M01XX-
	2	M02XX-
	3	M03XX-
	4	M04XX-
	5	M05XX-
	6	M06XX-
	7	M07XX-
	8	M08XX-
	9	M09XX-
	10	M10XX-
	11	M11XX-
	12	M12XX-
	13	M13XX-
	14	M14XX-
	15	BANKX-
MD17X-	16	
MD01X-	17	
MD02X-	18	
MD03X-	19	
MD04X-	20	
MD05X-	21	
MD06X-	22	
MD07X-	23	
MD08X-	24	
MD09X-	25	
MD10X-	26	
MD11X-	27	
MD12X-	28	
MD13X-	29	
MD14X-	30	
MD15X-	31	
MD16X-	32	

	B68			C68	
1		1		1	Y16XX+
2		2		2	Y15XX+
3		3		3	Y14XX+
4		4		4	Y13XX+
5		5		5	Y12XX+
6		6		6	Y11XX+
7		7		7	Y10XX+
8		8		8	Y09XX+
9		9		9	Y08XX+
10		10		10	Y07XX+
11		11		11	Y06XX+
12		12		12	Y05XX+
13		13		13	Y04XX+
14		14		14	Y16XX-
15		15		15	Y15XX-
16		16		16	Y14XX-
17		17		17	Y13XX-
18		18		18	Y12XX-
19		19		19	Y11XX-
20		20		20	Y10XX-
21		21		21	Y09XX-
22		22		22	Y08XX-
23		23		23	Y07XX-
24		24		24	Y06XX-
25		25		25	Y05XX-
26		26		26	Y04XX-
27		27		27	M15XX-
28		28		28	MCSET+
29		29		29	RRCKX+
30		30		30	MEMCI+
31		31		31	M17XX-
32		32		32	M16XX-

REVISIONS	
S.R. 64-1264	A
DATE	5/17/66

COMPUTER CONTROL COMPANY, INC.	
PRAMINGHAM MASS. / LOS ANGELES 94 CALIF.	
DR. A. KURTZER	DATE 5/17/66
ENG. A. J. FETTER	5/17/66
APP. S. J. FETTER	5/17/66
PROJECT NO. 55217	

TITLE	MEMORY I/O CABLES
SIZE	DWG NO.
C	015428
REV.	A







[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

•

LOCATION XX

COMPUTER CONTROL COMPANY, INC.  
FRAMINGHAM, MASS. / LOS ANGELES 64, CALIF

8/16/66

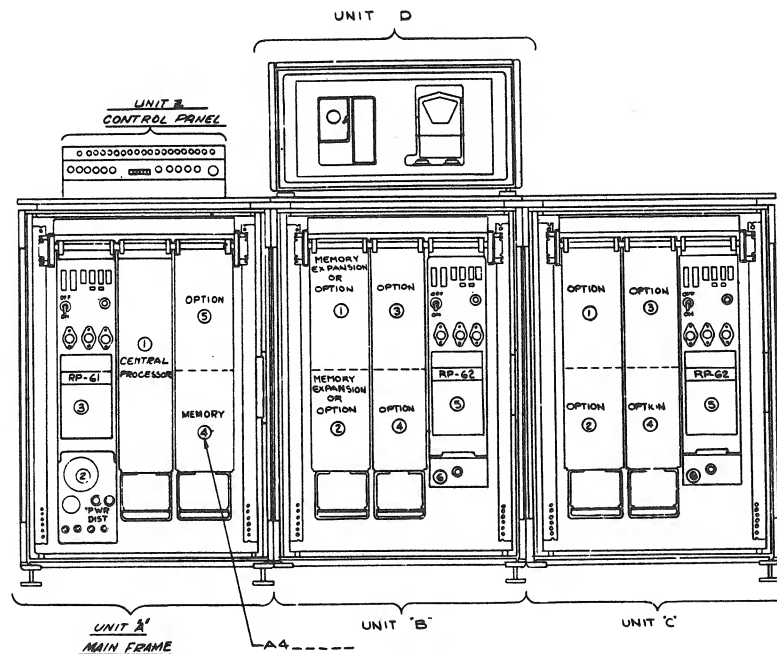
APP. *J. H. H.*  
PROJECT NO. 55242

0175	0140 110
------	----------

SIZE	DWG NO.
C	015654

REV	D
-----	---





ALPHA SEQUENCE  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 NUMERICAL SEQUENCE  
 0123456789

UNIT AREA ZONE ROW COL PIN  
 1 1 1 1 1 1  
 'X' INDICATES AN UNUSED DIGIT.  
 UNIT & AREA CODE DESIGNATIONS ARE VARIABLE  
 AND WILL BE ASSIGNED PER INDIVIDUAL UNIT  
 CODING SHEET

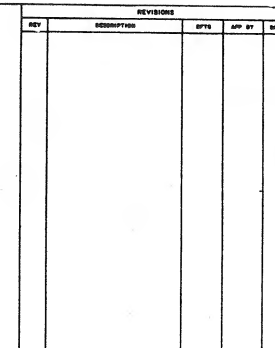
REVISIONS					
REV	DESCRIPTION	DATE	APP BY	DATE	
C	REDRAWN/ECO 1-3-67 1/27/67	1/27/67	FM	TP	BA
D	ADDED VIEW CONTAINING STANDARD 1.5% OF ON 3 PER ECO 1-5-67	1/27/67	FM	TP	BA
E	EXTENSIVE CHG'S PER ECO 3-6-67	3/6/67	FM	TP	BA
F	EXTENSIVE CHG'S/ECO 3-6-67	3/6/67	FM	TP	BA
G	EXTENSIVE CHG'S/ECO 3-6-67	3/6/67	FM	TP	BA
H	EXTENSIVE CHG'S/ECO 3-6-67	3/6/67	FM	TP	BA
I	EXTENSIVE CHG'S/ECO 3-6-67	3/6/67	FM	TP	BA
J	EXTENSIVE CHG'S/ECO 3-6-67	3/6/67	FM	TP	BA
K	ADD C1 DES TO SHEET 1/ ECO 4-2-67	4/2/67	FM	TP	BA
L	ADDED DIRECT, DELETED CE TOP VIEW SH. 8/ECO 4-2-67	4/2/67	FM	TP	BA
M	EXT CHG'S PER ECO 4-2-67	4/2/67	FM	TP	BA
N	EXT CHG'S PER ECO 4-2-67	4/2/67	FM	TP	BA
P	EXT CHG'S SHT 2 PER ECO 4-2-67	4/2/67	FM	TP	BA
R	SHT 3 CODING A26DI WAS A26DIF A26DIOS WAS A26DIF PER ECO 4-2-67	4/2/67	FM	TP	BA
S	EXT CHG'S SHT 8 PER ECO 4-2-67	4/2/67	FM	TP	BA
T	EXT CHG'S SHT 2 & 3 PER ECO 4-2-67	4/2/67	FM	TP	BA
U	CHG'D PIN LOC. SHG. 7/ECO 5-0-67	5/0/67	FM	TP	BA
V	EXT CHG'S/ ECO 5-2-67	5/2/67	FM	TP	BA

# UNIT CODING

A  
 E

HONEYWELL		CODING DWG	
COMPUTER CONTROL DIVISION		DOP-416, 516	
DATE: 7-11-66		REV: 1	
BY: J. S. MANNING		CHK: J. S. MANNING	
DATE: 7-11-66		REV: 1	
BY: J. S. MANNING		CHK: J. S. MANNING	
DATE: 7-11-66		REV: 1	
BY: J. S. MANNING		CHK: J. S. MANNING	





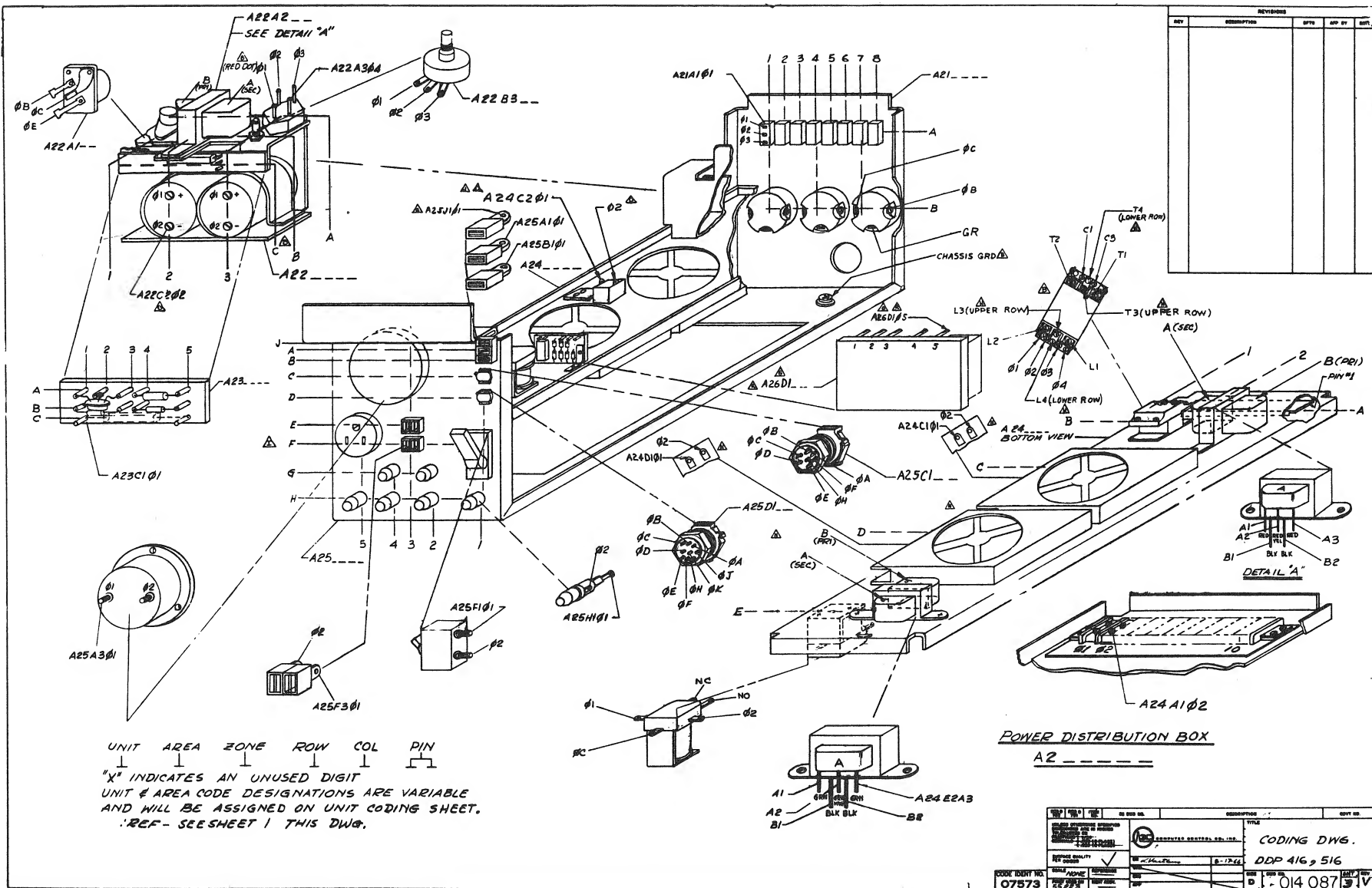
△△ NOTE  
1. FOR 124 ALPHA-NUMERIC  
SEQUENCE SEE DWG  
C09930 (SHEET 1)

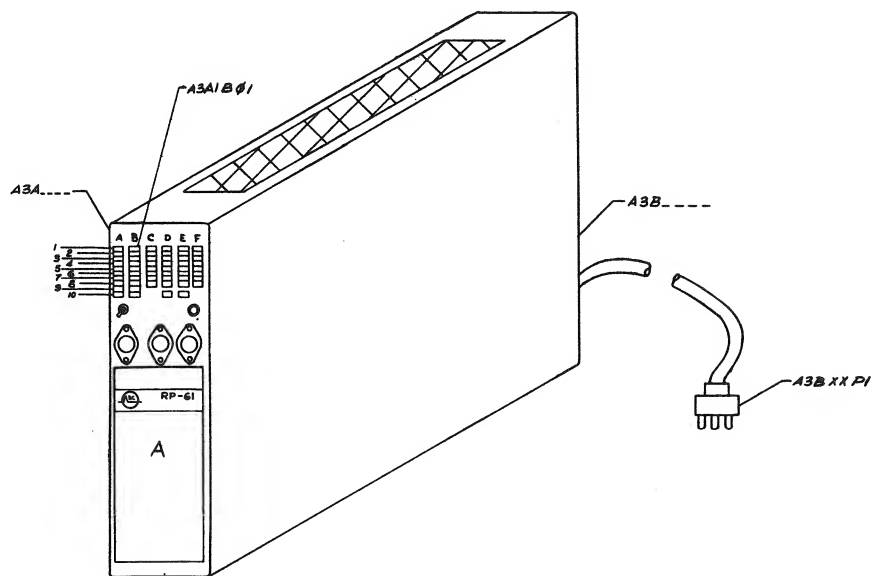
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A 416.516 CENTRAL PROCESSOR
    124 1ST OIU      AI-----
    124 2ND OIU     LI-----
                          L2-----

```

FORM 100-10 (Rev. 1-77)	SI DOD 105.	DESCRIPTION	DDT NO
PREPARED BY: <b>WILLIAM J. HARRIS</b> CHECKED BY: <b>WILLIAM J. HARRIS</b> DATE: <b>10/10/77</b>		TITLE <b>CODING DRAWING</b> <b>DDP: 416, 516</b> <b>124 OPTION DRAWING</b>	
MATERIAL QUALITY 010101		BY: <b>W. J. Harris</b> DATE: <b>5-20-76</b>	
CODE IDENT NO	REVISION	DATE	BY
<b>07573</b>	<b>1</b>	<b>10/10/77</b>	<b>WJH</b>





UNIT AREA ZONE ROW COL PIN  
 1 1 1 1 1 1  
 "X" INDICATES AN UNUSED DIGIT  
 UNIT & AREA CODE DESIGNATIONS ARE VARIABLE  
 AND WILL BE ASSIGNED ON UNIT CODING  
 SHEET, REF: SEE SHEET 1 THIS DWG.

POWER SUPPLY RP-61  
 A3 \_ \_ \_ \_

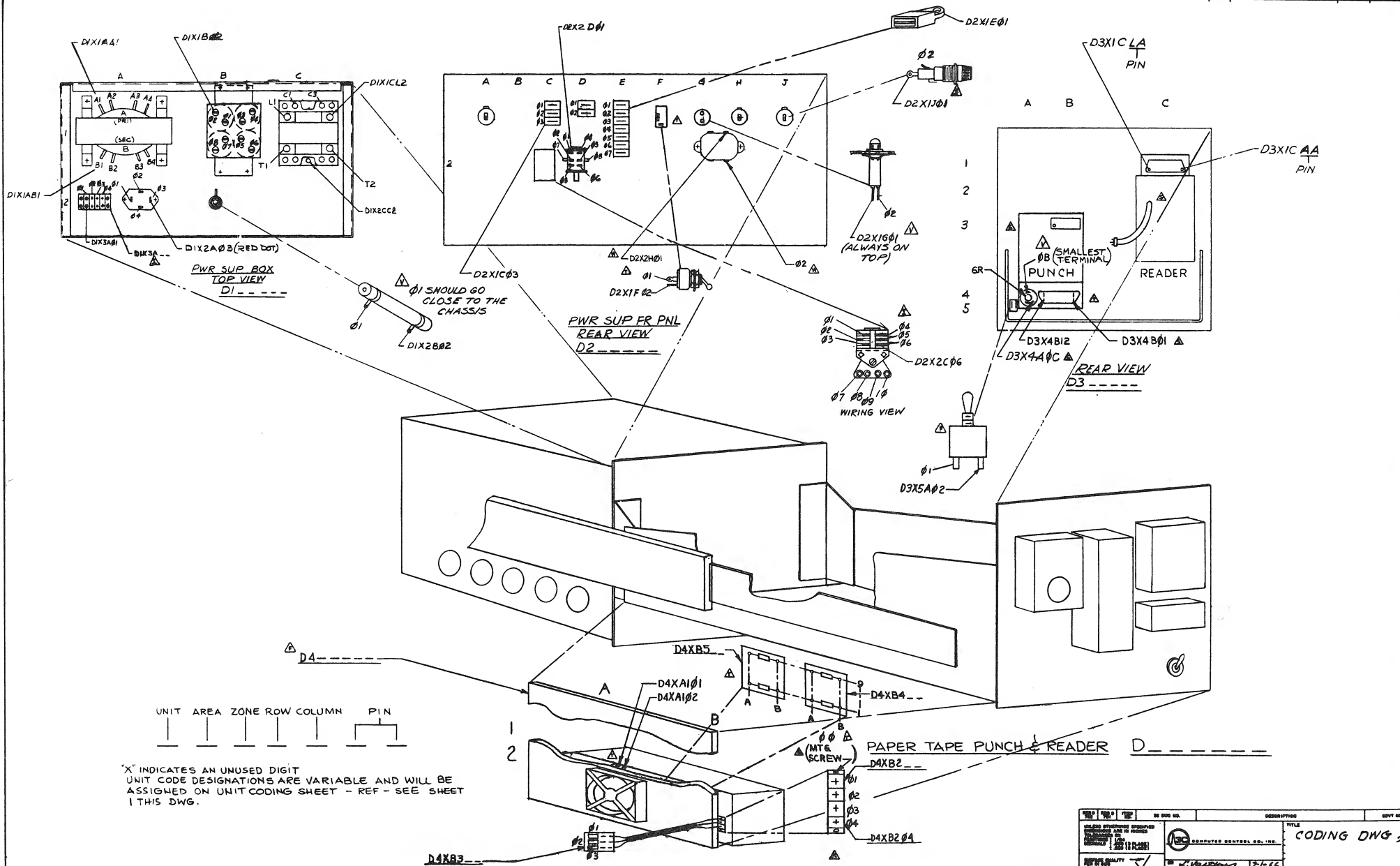
REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

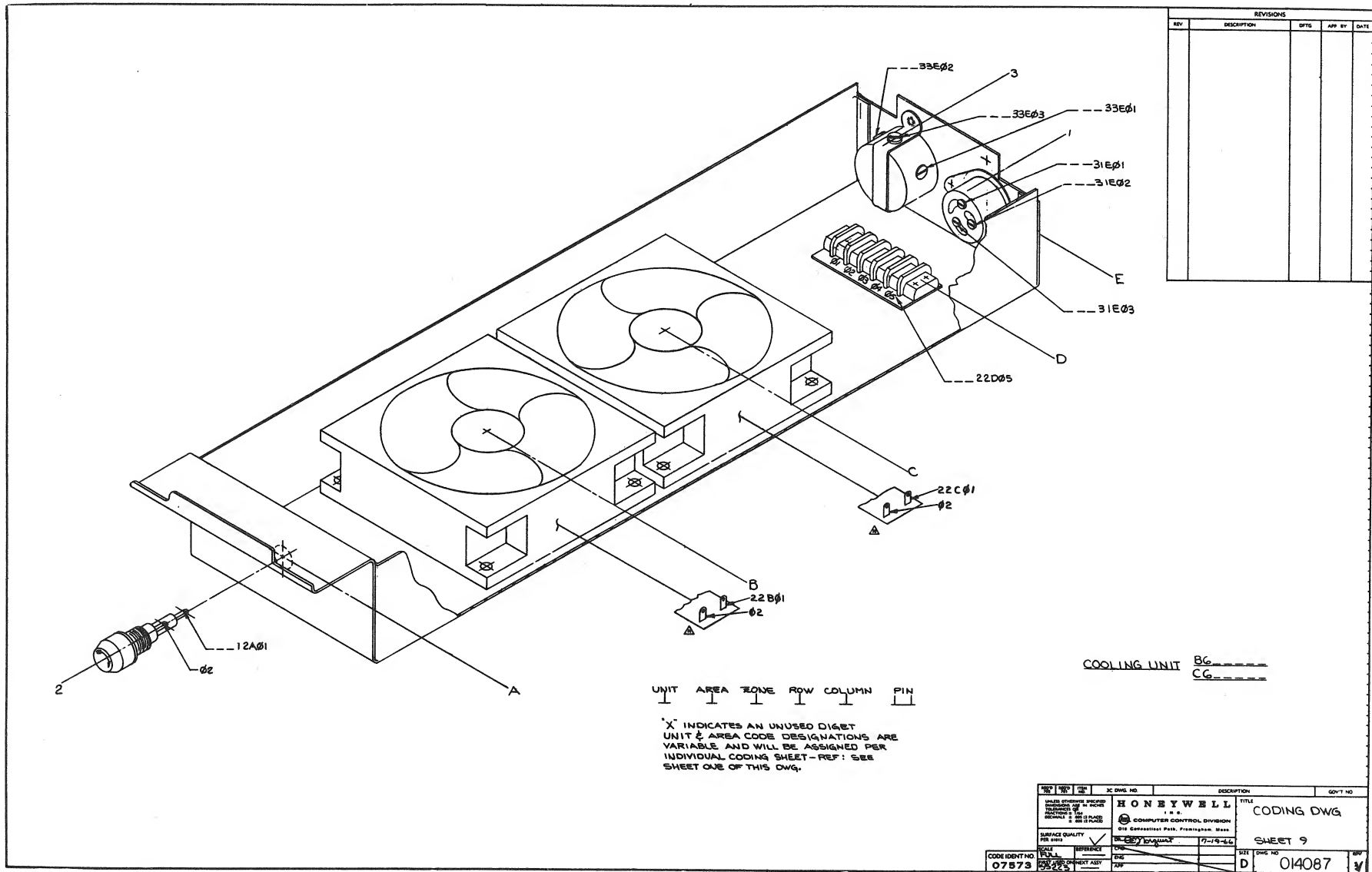
CODE BOOK NO. 07573		TO DESIG.		DESCRIPTION		REV. NO.	
POWER SUPPLY RP-61 (SEE SHEET 1 FOR DETAILS)		COMPUTER CONTROL, INC.		CODING DWG DD P-416, 516		014 087	
REV. DATE 11/11/61		REV. BY J. L. H.		REV. NO. 1		SHEET NO. 4	





REVISIONS				
REV	DESCRIPTION	SFTS	APP BY	

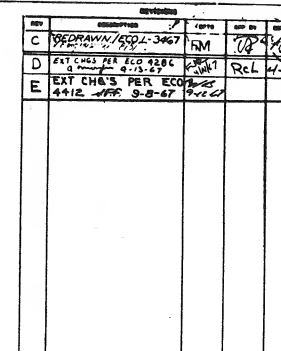




HONEYWELL COMPUTER CONTROL DIVISION 810 GARDEN PARK, FORT LEE, N.J.		TITLE CODING DWG	
SURFACE QUALITY PER SPEC		SHEET 9	
CODE IDENT NO 07573	DATE 11-15-66	SIZE D	QTY 014087





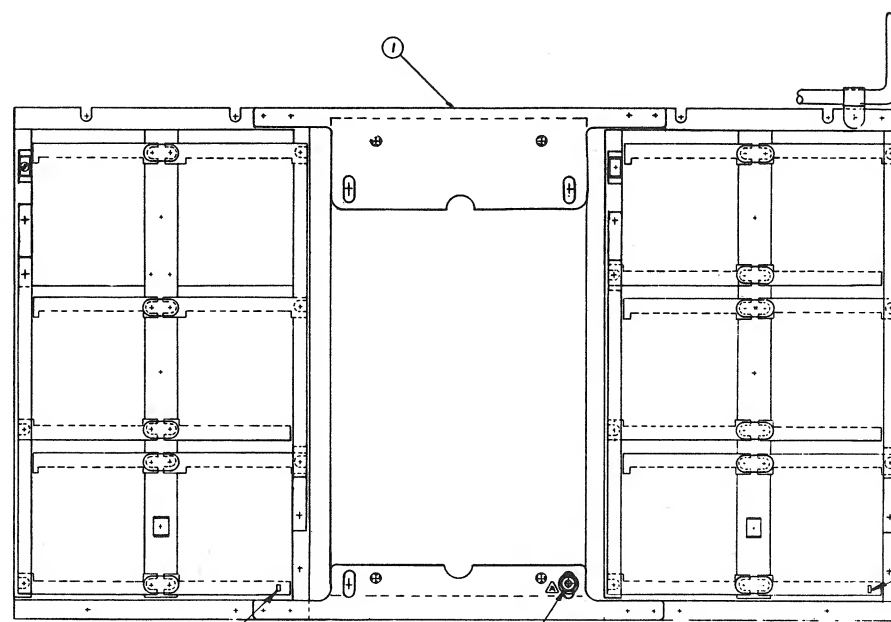
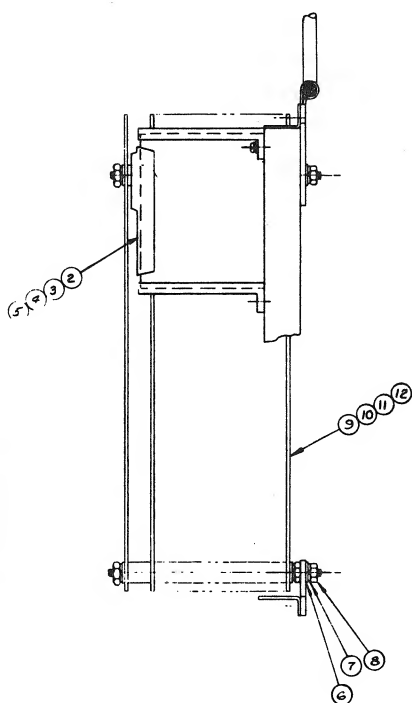
[illegible]

AC & DC CABLING				
ITEM NO.	CABLE NO.	FROM	TO	RTE
7	C1	CONT PNL 2	PWR DIST A2	ABC
8	C2	CONT PNL 2	PWR DIST A2	ABC
9	C3	CPU A1	PWR DIST A2	A
10	C4	RP41 A3	C.P.U. A1	A
11	C5	CONT PNL 2	RP41 A3	BCD
12	C6	PWR DIST A2	RP41 A3	A
13	C7	RP41 A3	MEM A4	E
14	C8	MEM A4	MEM A4	E
15	C9	RP41 A3	MEMORY B1	F
16	C10	RP41 A3	MEMORY B2	F
17	C11	PWR DIST A2	C.P.U. A1	F
18	C12	PWR DIST A2	MEM A4	F
19	C13	PWR DIST A2	OUTLET	F
20	C14	PWR DIST A2	OUTLET	F
21	C15	RP42 B5	COOLING B6	F
22	C16	RP42 B5	COOLING C6	F
23	C17	COOLING B6	PWR DIST A2	F
24	C18	COOLING C6	PWR DIST A2	F
25	C19	OPTION B3	PWR DIST A2	F
26	C20	OPTION B3	PWR DIST A2	F
27	C21	OPTION C1	PWR DIST A2	F
28	C22	OPTION C1	PWR DIST A2	F
29	C23	RP42 B5	OPTION B3	G
30	C24	RP42 B5	OPTION B3	G
31	C25	RP42 B5	OPTION B1	G
32	C26	RP42 C5	OPTION C1	H
33	C27	LOGIC C/A	PWR DIST A2	ABC
34	C28	LOGIC C/A	PWR DIST A2	ABC

\*\*\*  
SUPPLY ATTACHED  
TO RP 62

REVIEWS				
REV	DESCRIPTION	DPTS	APP BY	E

[illegible]



PIN\*1 REF  
ALL CONN POS  
CAUTION

CENTER ITEMS 9 THRU 12 APPROX  
IN CENTER OF MOUNTING SLOTS AS  
SHOWN WHEN ASSEMBLING TO ITEM 1.6

PIN\*1 REF  
ALL CONN POS  
CAUTION

REVISIONS					
REV	DESCRIPTION	DATE	BY	APP'D	DATE
1	RECEIVED TO FILE	1/1/77	JS		1/1/77
A	EXT. CHG. AND RELEASED / ECO 3255 4-27-80	4/27/80	JS		4/27/80
B	EXT. CHGS / ECO 3542 1-6-87	1/6/87	TR		1/6/87

PO3005 PARTS LIST		TITLE		REV	
DESCRIPTION		DESCRIPTION		DESCRIPTION	
MEMORY MODULE ASSY		MEMORY MODULE ASSY		MEMORY MODULE ASSY	
BY JOHN HARTY		DATE 1-24-87		REV 1	
CHECKED BY		DATE 1-24-87		REV 2	
APPROVED BY		DATE 1-24-87		REV 3	
COOK IDENT NO		07573		013 005	



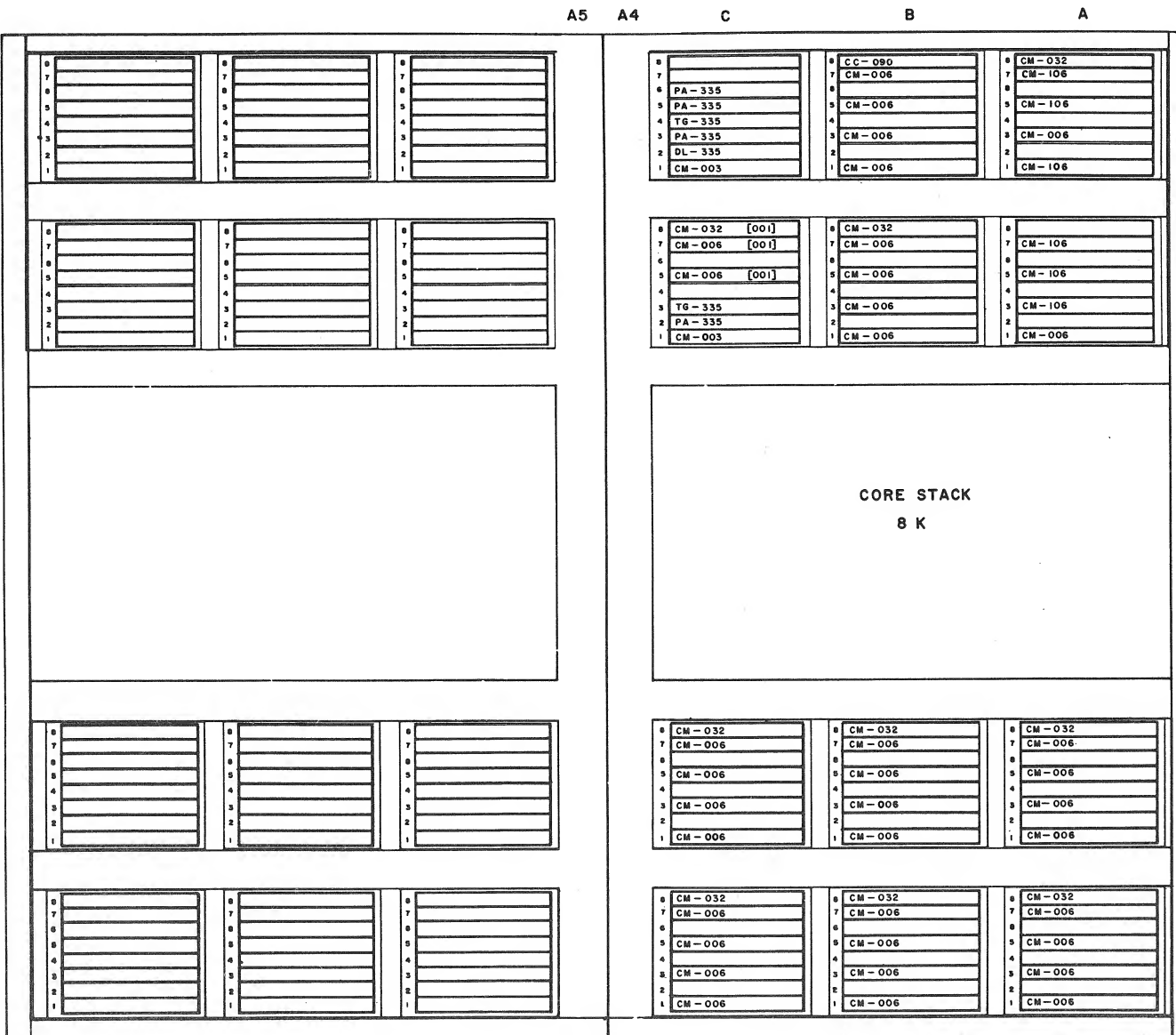
NOTES:  
001 ALL PACS (PARITY)  
002 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)

CHK.	REVISIONS	REV
22	TAKEN FROM	A
23	SR 64-1476	
24	428/02 1-18-67	
25	428/02 1-18-67	
26	428/02 1-18-67	
27	428/02 1-18-67	
28	428/02 1-18-67	
29	428/02 1-18-67	
30	428/02 1-18-67	
31	428/02 1-18-67	
32	428/02 1-18-67	
33	428/02 1-18-67	
34	428/02 1-18-67	
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93	428/02 1-18-67	
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99	428/02 1-18-67	
100	428/02 1-18-67	

HONEYWELL  
IN C.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.  
DR. 9-1-67  
ENG. 1-18-67  
APP. 1-18-67  
PROJECT NO. 55215

REFERENCE PAC COMPLEMENT A009705

TITLE  
PAC ALLOCATION A4/A5  
4K TILT OUT  
SIZE DWG NO. 017110  
REV. C



1  
2  
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11

NOTES:

- 001 ALL PACS (PARITY)
- 002 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)

CHK	REVISIONS	REV
✓	TAKEN FROM 1A	A
✓	SR # 64-1476	
✓	EXT. CHANGES 4/28/67 R.T.	B
✓	ECO 4350	B
✓	EXT. CHANGES 4/28/67 R.T.	C
✓	ECO 4689	C
✓	EXT. CHANGES SEE ECO J.P. 7/16/67	C

**HONEYWELL**  
IN C.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.

DR. <i>G. K. M. J.</i>	DATE
ENG. <i>H. J. G. J.</i>	1-13-67
APR. <i>G. C. J.</i>	1-13-67

PROJECT NO. 55215

REFERENCE PAC COMPLEMENT A009705

TITLE  
PAC ALLOCATION A4/A5  
8K TILT OUT

SIZE DWG NO. 017111

REV. C



# NOTES:

001 ALL PACS (PARITY)

002 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)

CHK	REVISIONS	REV
1	TAKEN FROM A	1
2	SH 64-1476	2
3	ECG 4350	3
4	ECG 4350	4
5	ECG 4350	5
6	ECG 4350	6
7	ECG 4350	7
8	ECG 4350	8
9	ECG 4350	9
10	ECG 4350	10
11	ECG 4350	11

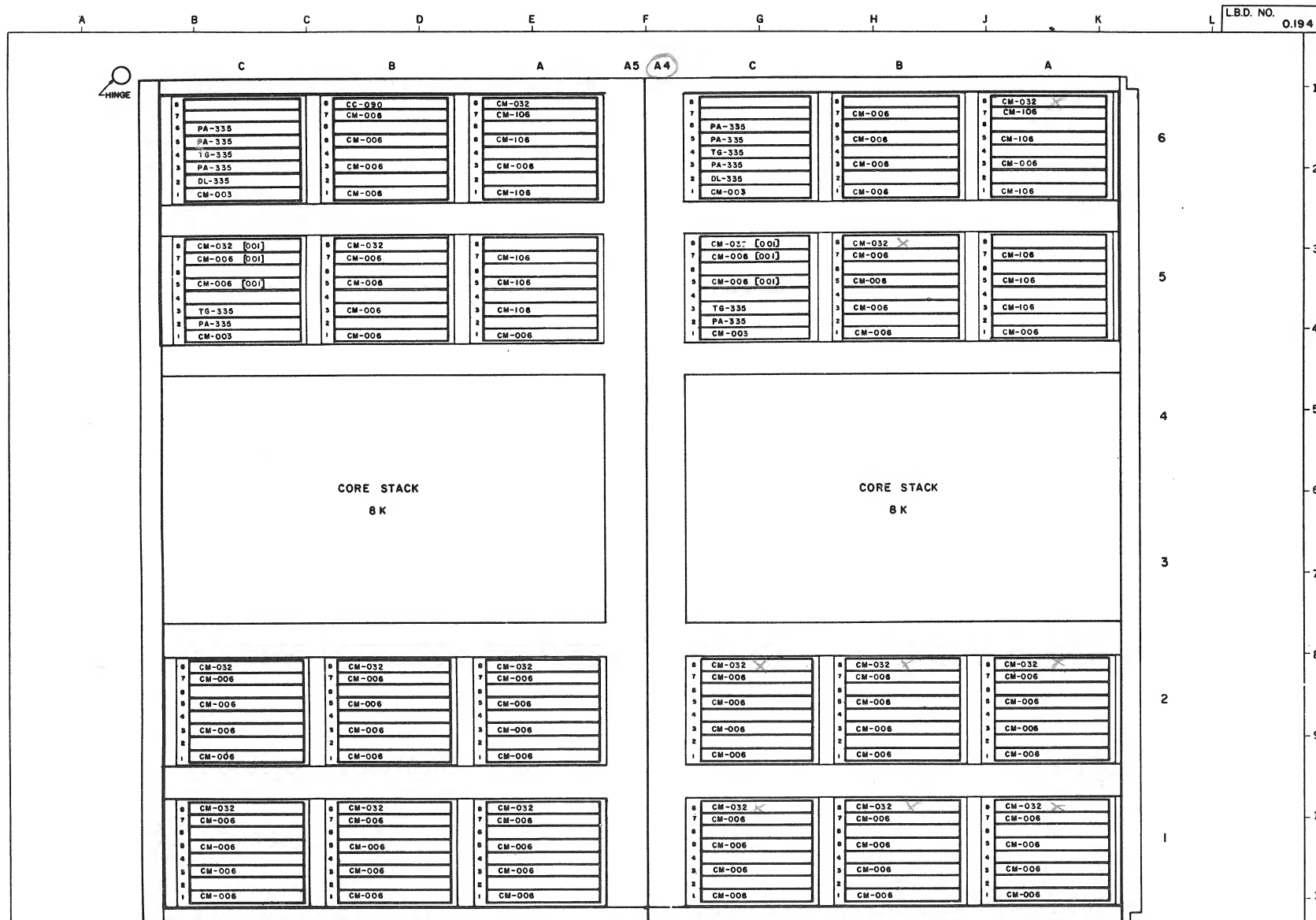
REFERENCE PAC COMPLEMENT A 009705

<b>HONEYWELL</b>	
I M C.	
COMPUTER CONTROL DIVISION	
Old Connecticut Path, Framingham, Mass.	
DR. <i>Q. K. K. K.</i>	DATE
ENG. <i>1-18-67</i>	1-18-67
APP. <i>1-13-67</i>	1-13-67
PROJECT NO. 55215	

TITLE  
PAC ALLOCATION A4/A5  
12K TILT OUT

SIZE DWG NO.  
C 017112

REV.  
C



NOTES:  
001 ALL PACS (PARITY)  
002 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)

CHK	REVISIONS	REV.
24	TAKEN FROM A	
25	SH # 64-1476	
26	See Appendix 1-3-67	
27	See Appendix 1-3-67	
28	See Appendix 1-3-67	
29	See Appendix 1-3-67	
30	See Appendix 1-3-67	
31	See Appendix 1-3-67	
32	See Appendix 1-3-67	
33	See Appendix 1-3-67	
34	See Appendix 1-3-67	
35	See Appendix 1-3-67	
36	See Appendix 1-3-67	
37	See Appendix 1-3-67	
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95	See Appendix 1-3-67	
96	See Appendix 1-3-67	
97	See Appendix 1-3-67	
98	See Appendix 1-3-67	
99	See Appendix 1-3-67	
100	See Appendix 1-3-67	

REFERENCE PAC COMPLEMENT A009705

**HONEYWELL**  
I N C.  
COMPUTER CONTROL DIVISION  
Old Connecticut Path, Framingham, Mass.

DR. *Q. K. Kuster* DATE *1-18-67*  
ENG. *W. J. Kuster*  
APPROVED *W. J. Kuster* *1-18-67*  
PROJECT NO. 5525

TITLE  
PAC ALLOCATION A4/A5  
16K TILT OUT

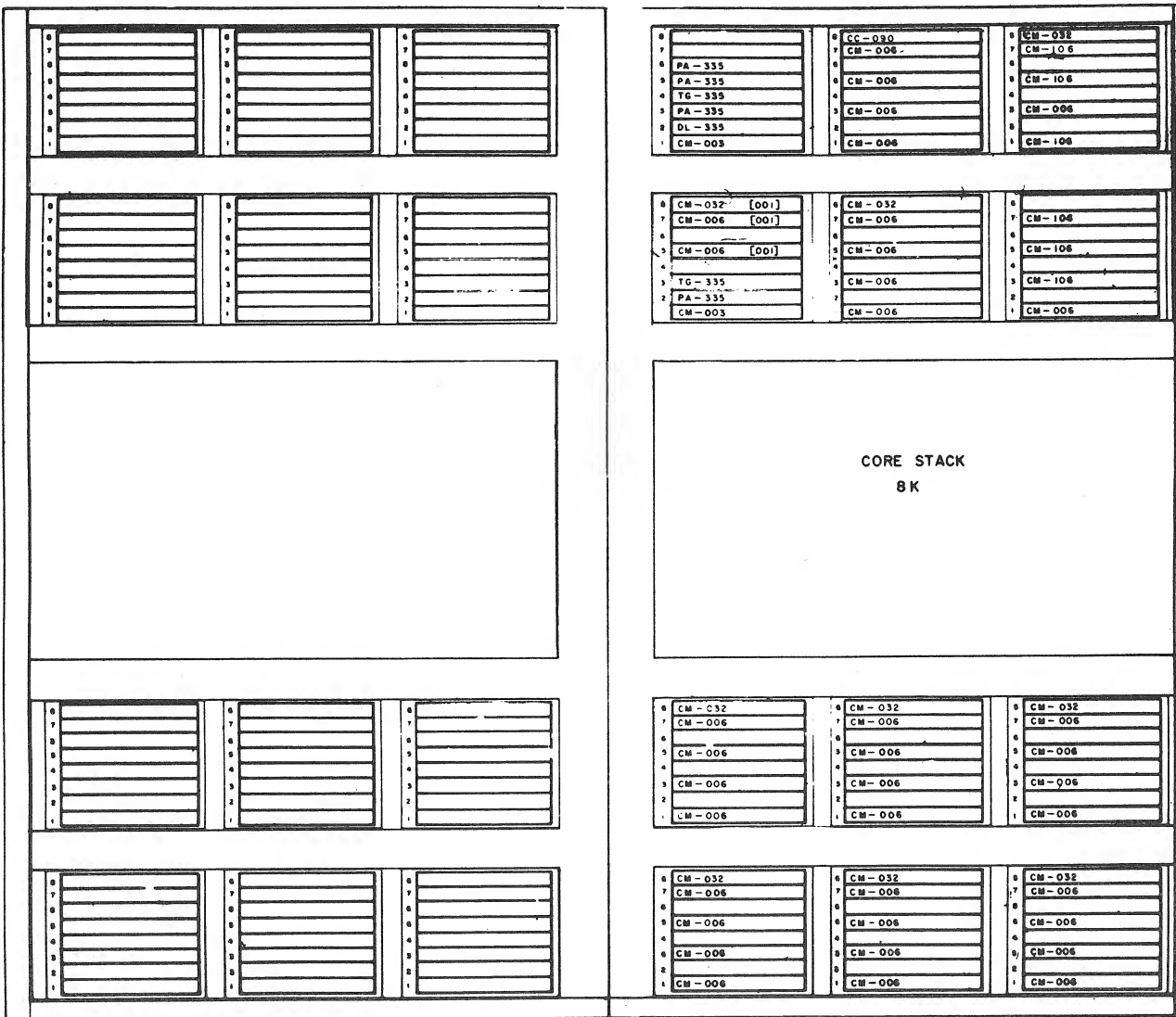
SIZE DWG NO.  
C 017113

REV.  
C

L.B.D. NO.  
0.195

A B C D E F G H I J K L

B1 B2 C B A



CORE STACK  
8K

REFERENCE PAC COMPLEMENT A009705

001 ALL PACS (PARITY)  
202 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)

REV	REVISIONS
1	TAKEN FROM A
2	BY 6-14-76
3	BY 6-14-76
4	BY 6-14-76
5	BY 6-14-76
6	BY 6-14-76
7	BY 6-14-76
8	BY 6-14-76
9	BY 6-14-76
10	BY 6-14-76
11	BY 6-14-76

**HONEYWELL**  
IN C  
COMPUTER CONTROL DIVISION  
Old Connecticut Path Framingham, Mass.  
DATE 1-18-67  
ENG. 1-18-67  
APP. 1-18-67  
PROJECT NO 55215

TITLE  
PAC ALLOC B1/B2  
8K TILT OUT

SIZE DWG NO.  
C 017114

REV  
B



A B C D E F G H J K L M N P

LB.D. NO.  
1.196



B1 B2

8		8	CC-090	8	CM-032
7		7	CM-006	7	CM-106
6	PA-335	6		6	
5	PA-335	5	CM-006	5	CM-106
4	TG-335	4		4	
3	PA-335	3	CM-006	3	CM-006
2	DL-335	2		2	
1	CM-003	1	CM-006	1	CM-106

8	CM-032 (001)	8	CM-032	8	
7	CM-006 (001)	7	CM-006	7	CM-106
6		6		6	
5	CM-006 (001)	5	CM-006	5	CM-106
4		4		4	
3	TG-335	3	CM-006	3	CM-106
2	PA-335	2		2	
1	CM-003	1	CM-006	1	CM-006

CORE STACK  
8K

8	CM-032	8	CM-032	8	CM-032
7	CM-006	7	CM-006	7	CM-006
6		6		6	
5	CM-006	5	CM-006	5	CM-006
4		4		4	
3	CM-006	3	CM-006	3	CM-006
2		2		2	
1	CM-006	1	CM-006	1	CM-006

8	CM-032	8	CM-032	8	CM-032
7	CM-006	7	CM-006	7	CM-006
6		6		6	
5	CM-006	5	CM-006	5	CM-006
4		4		4	
3	CM-006	3	CM-006	3	CM-006
2		2		2	
1	CM-006	1	CM-006	1	CM-006

8		8	CM-006	8	CM-032
7		7		7	CM-106
6	PA-335	6		6	
5	PA-335	5	CM-006	5	CM-106
4	TG-335	4		4	
3	PA-335	3	CM-006	3	CM-006
2	PA-335	2		2	
1	CM-003	1	CM-006	1	CM-106

8	CM-032 (001)	8	CM-032	8	
7	CM-006 (001)	7	CM-006	7	CM-106
6		6		6	
5	CM-006 (001)	5	CM-006	5	CM-106
4		4		4	
3	TG-335	3	CM-006	3	CM-106
2	PA-335	2		2	
1	CM-003	1	CM-006	1	CM-006

CORE STACK  
8K

8	CM-032	8	CM-032	8	CM-032
7	CM-006	7	CM-006	7	CM-006
6		6		6	
5	CM-006	5	CM-006	5	CM-006
4		4		4	
3	CM-006	3	CM-006	3	CM-006
2		2		2	
1	CM-006	1	CM-006	1	CM-006

8	CM-032	8	CM-032	8	CM-032
7	CM-006	7	CM-006	7	CM-006
6		6		6	
5	CM-006	5	CM-006	5	CM-006
4		4		4	
3	CM-006	3	CM-006	3	CM-006
2		2		2	
1	CM-006	1	CM-006	1	CM-006

REFERENCE PAC COMPLEMENT A009705

NOTES:  
 ▲ 001 ALL PACS (PARITY)  
 ▲ 002 ALL PACS EXCEPT THOSE INDICATED 001 (NO PARITY)  
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CHK	REVISIONS	REV.
	TAKEN FROM A	
	SR. NO. 54.4976	
	TL. RICHARDSON 1/3/67	
	J. DESANTIS 1/13/67	
	ECO 4895	
	EXT CHANGES 10/25/67	
	SEE ECO DMH.	
	R.A. BARELLA 10/17/67	

**HONEYWELL**  
 INC.  
 COMPUTER CONTROL DIVISION  
 Old Connecticut Path, Framingham, Mass.

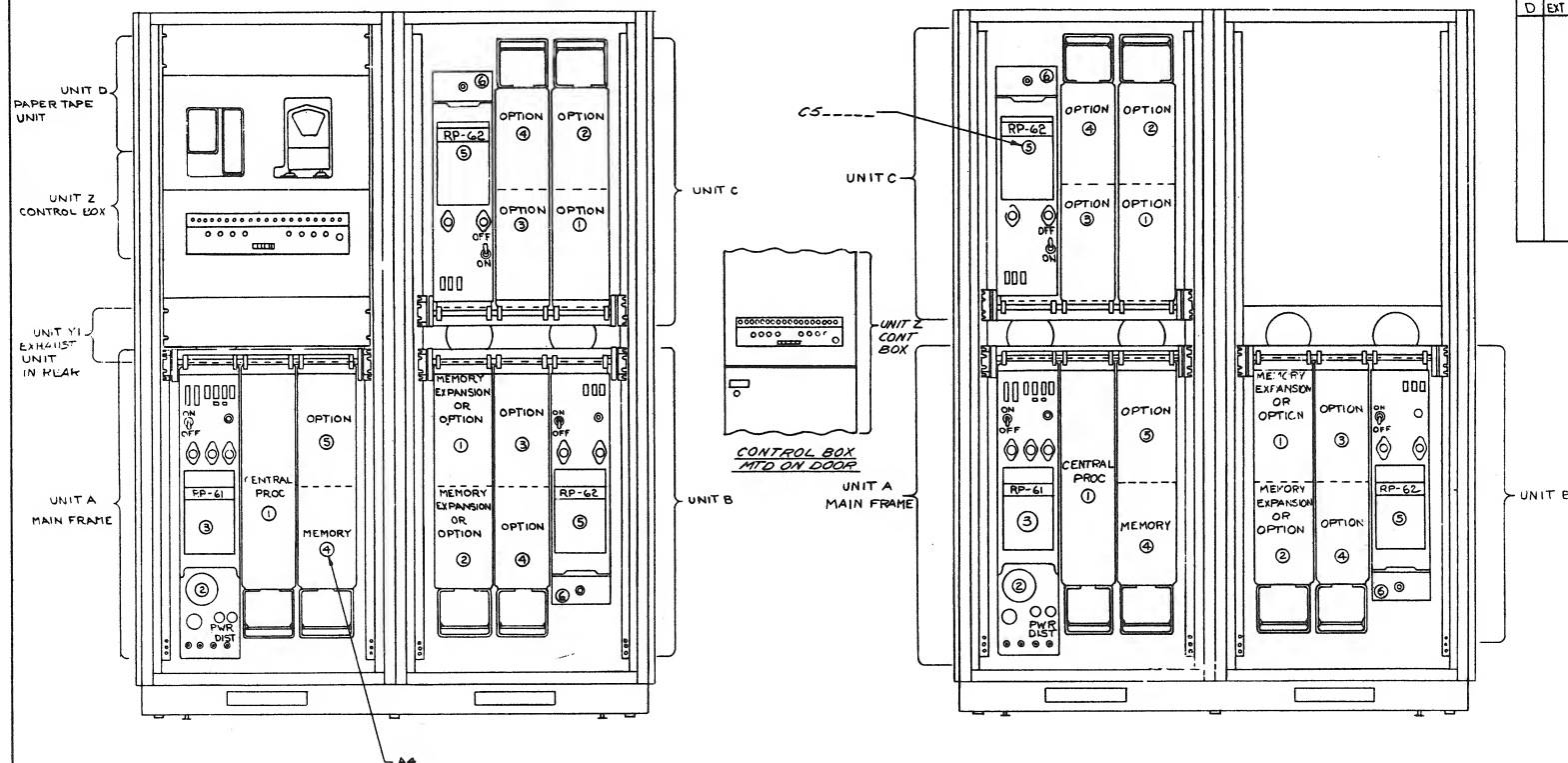
DR. A. KURTZER	DATE
ENG. <i>[Signature]</i>	1/13/67
APP. <i>[Signature]</i>	1/13/67
PROJECT NO. 55215	

TITLE	
PAC ALLOCATION B1/B2	
16K TILT OUT	
SIZE	DWG. NO.
C	017115
REV.	B

SYSTEM WITH PAPER TAPE

SYSTEM WITHOUT PAPER TAPE

REVISIONS				
REV	DESCRIPTION	DATE	APP BY	DATE
A	TAKEN FROM LAYOUT #0019434 & #0019435	11-15-63	J	11-15-63
B	EXT CHG/ECO L5528	11-15-63	J	11-15-63
C	RELEASED ECO L5530	11-15-63	J	11-15-63
D	EXT CHG/ECO L5519	11-15-63	J	11-15-63



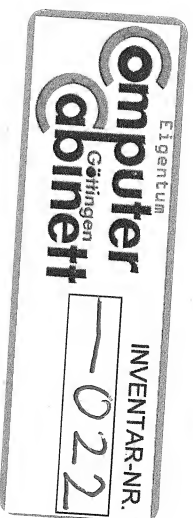
NOTES

1. ALPHA SEQUENCE: ABCDEFGHJKLMNP QRSTUVYZ
2. NUMERICAL SEQUENCE: 0123456789
3. X INDICATES AN UNUSED DIGIT
4. REFER TO DWG. NO. A020250701 FOR CODING BREAKDOWN OF EXHAUST UNIT IN REAR.
5. REFER TO DWG. NO. D014087000 FOR CODING BREAKDOWN OF REMAINING UNITS.

Y I X D Z  
UNIT AREA ZONE ROW COL PIN PIN

HONEYWELL		TITLE	
COMPUTER CONTROL DIVISION		CODING	
516 N		516 N	
DWG. NO. 020350		REV. D	





INVENTAR-NR.

— 022